

TECHNOFORM

Standard profiles 2023

Insulation solutions for
windows, doors, and facades.



Standard profiles for windows, **doors, and facades**

Find your perfect match – our standard profile solutions

Our standard offering comprises more than 700 freely available geometries for varying markets and needs. High quality solutions can be created using the insulating profiles in the standard program. All serial products can be rapidly supplied in any length and quantity to any location in the world, thanks to our global network of 13 production sites and more than 45 sales offices. Our specialists will gladly assist you with your project from the planning and development stage up to the finished product.



























Low Lambda Polyamide – thermal break has a new value

On the path towards an optimized Uf value, we have also developed a new standard: our Low Lambda polyamide. With this innovation we can now offer you two possibilities to match your requirements. Choose between a reduced Uf value by maintaining the same frame size or a smaller frame while leaving the Uf value unchanged.

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Standard profiles Polyamide

Our standard profiles are available in Standard and Recycled PA 66 GF25, dry impact resistant.

9 mm	10 mm	12 mm	13 mm	14 mm	
 254000	 204600#	 977500	13.4 mm	 202300	14.3 mm
	 244800	 926900 · 975300	 979200	 913700	 246900
	 269800#	 209900	13.5 mm	 202400	 247000
		 328100	 249100	 217100	14.6 mm
		 958241	 969505	 233200	 933900 · 951459
		 282000		 948600	 919200 · 951159
		 442500*		 493100#	 263400
				 486900	 259900#
				 948700	 951559
				 235300	 241600
				 240200#	 980600
					 268200

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14 mm

15 mm

14 mm					15 mm
14.6 mm	14.8 mm				
355700*	280600	295600#	403400	320100*	910300
223900	931000 · 951659	299000	221400	257100	952200#
313000*	216800	486100*	237600	270300	538500
	271800	201000	246700	937700	260500
	924300 · 945500 951259	931100 · 951759	300800	488200	260400
	203900	941600 · 951859	271500	977000	
	208500	961459	273500		
	952100 · 962059	925500	289700		
	406100#	975800	961559		
	378600	279000	987400		
	937600	221900	335600#		









































Standard profiles Polyamide

Our standard profiles are available in Standard and Recycled PA 66 GF25, dry impact resistant.

16 mm			16.5 mm	17 mm	18 mm
 962159#	 976000	 445500	 977400	 589200	 955100
 973500	 296500	 977900		 592000	 908300
 232900 · 265800	 277600*#	 940300	 420800*#	 286600#	 221200
 912000 · 955900 951359	 962259#	 981700		 249200	
 345800#	 970559	 296600	 242700#	 964000	
 221000	 973600	 980900		 465400	
 961859	 942100	 214400	 330400	 233800	
 963900	 976100	 221100		 325300	 270200
 203200#	 265900	 227500	 955000		
 219900	 941800	 270100		 541400	
 270000	 961959	 296900	 267100		
 940800	 977600		 276900		



















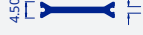























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18 mm			19 mm	20 mm	
 224100	18.6 mm		 316700	 933200	 228900
 290600	 210900	 226300	 316900	 912500 · 957600	 499500#
 357400*	 273300	 276000	 316800	 277400	 387200*
 955200	 912100 · 912159	 250800		 957300	 234700
 277000	 944300	 979300		 246500	 269100*
 343900	 912800	 330500		 941700	 945800
 235400	 977700	 952459		 942600	 562100
 322100*	 279300*			 271000	 957400
 248300	 332700*			 296200	 937000
 955300	 360500*			 976600	 444500
	 276800			 249900	 228700
	 324600			 250100	 218500

Standard profiles Polyamide









































































Our standard profiles are available in Standard and Recycled PA 66 GF25, dry impact resistant.

20 mm		21 mm	22 mm		23 mm
 964200	 250000	 556500	 202200	 977200	 283000 [#]
 271100	 439500* [#]	 357500*	 242900	 413800	 538800
 966500	20.6 mm	 556400	 908400	 254100	 320400
 306700	 221500 [#]		 269700	 286700	
 325500	 221600 [#]		 966605	 389600	
 283600			 978700	 245800	
 493600			 413700	 491600	
 297800*			 228100	 439100*	
 924900			 271300*		
 964100			 243000		
 271200			 431300		
 330700			 245900		

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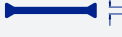









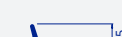





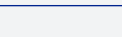








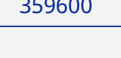



















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24 mm

 961759 · 933100	 235100	 220300	 360900	 224000	 419300
 965159#	 268000	 246300*	 566000	 251800	 359800
 223700	 294100	 271400*	 322000	 969759	 546100
 919300 · 975900	 976700	 927200	 495000	 246600	 443700
 390900	 940400	 925200	 403500	 289800	 256800
 241700#	 969959	 975700	 249000	 464600	 273400
 956059	 479800	 404000*	 231900	 479700	 464700
 957500	 984300	 228200	 268100	 502900	 516200
 350300	 979500	 415100	 294200	 330600	 510600
 355000	 459500	 956159	 964300	 228800	 418200
 360800	 975400	 291100	 400800	 300400	 406200#
 954800	 987200	 253600	 979900	 561400	 399200
















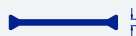








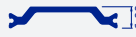






















Standard profiles Polyamide

Our standard profiles are available in Standard and Recycled PA 66 GF25, dry impact resistant.

24 mm		25 mm		26 mm	
 231800	24.8 mm	 910400	25.3 mm	 212600	 401700
 358900	 215600	 979400	 470200*	 254800	 321800
 214000	 246100	 950159	 329600*	 908500	 978900
 489900	 215700	 974500	 329700*	 260600	 426400
 969859	 265000	 249500	 329800*	 453100	 359600
 962659	 214300	 946700	25.5 mm	 304500	 394200
 214800	 282100	 249600	 220400	 491200	 208700
 224600	 246000	 974600		 289300#	 264100
 439400#		 249700		 978800	 300900
 964559#				 357700	
				 321100	
				 410800	









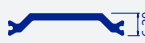

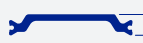


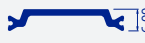






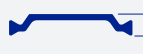






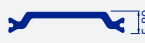

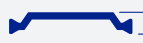






















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27 mm	28 mm		29 mm	30 mm	
 971605	 222500	 475500	 286900	 404600	 219500
 932000	 948400	 355400	 229100		 220800
 253800	 927700	 548200	 308600		 246200
 253900	 214700	 571000	 261900		 908600
27.5 mm	 223500	 321500	 242100		 273800
 942700	 321300	 566100		 324100#	
	 516900	 450000		 282300	
	 368600	 280800		 947400	
	 509900	 319600		 506200	
	 450100	 271600		 247300	
	 280900	 975100*		 478600	
	 354400*	 286800		 486400	




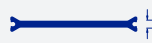





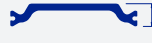

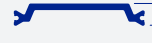



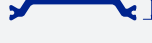





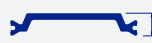



















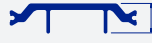














Standard profiles Polyamide

Our standard profiles are available in Standard and Recycled PA 66 GF25, dry impact resistant.

30 mm		31 mm	32 mm		34 mm
 516600	 352400	 268300	 239300	 418400	 464800
 225500	 368700		 354700	 256000	 268400
 493800	 414300		 303700	 256300	 349300
 393000	 349400		 371800	 563100	 478700
 414400	 277100*#		 256100	 412200	 935100
 241200			 494500	 218100	 949200
 493700			 939700	 216100	 986200
 974700			 259800	 492100	 438400
 312000			 448300	 273900	 265400
 282400			 247700*#	 488300	 384200
 247500			 256200		 218600
 247400			 496000		 269200










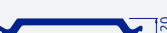












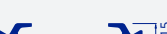

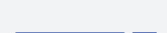


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34 mm			35 mm		36 mm
 425100	 548300	 437800	 432000	 418900	 201300
 429100	 429300	 558600	 337700	 423500*	 983400
 430400	 437900	 218400	 418600	 382100	 557600
 321700	 422900	 258800	 533200	 418500	 392400
 426300	 423300	 543300	 522100	35.3 mm	 478100
 986300	 386800	 503700	 215500		 485500*
 265600	 443900	34.8 mm	 358700	 477400*	
 532600	 260900		 300700	 452300	 477500*
 357000	 240800	 300600	 418800		
 377100	 400100		 423700*		
 559400	 265500		 427100		
 378200	 425000		 418700		

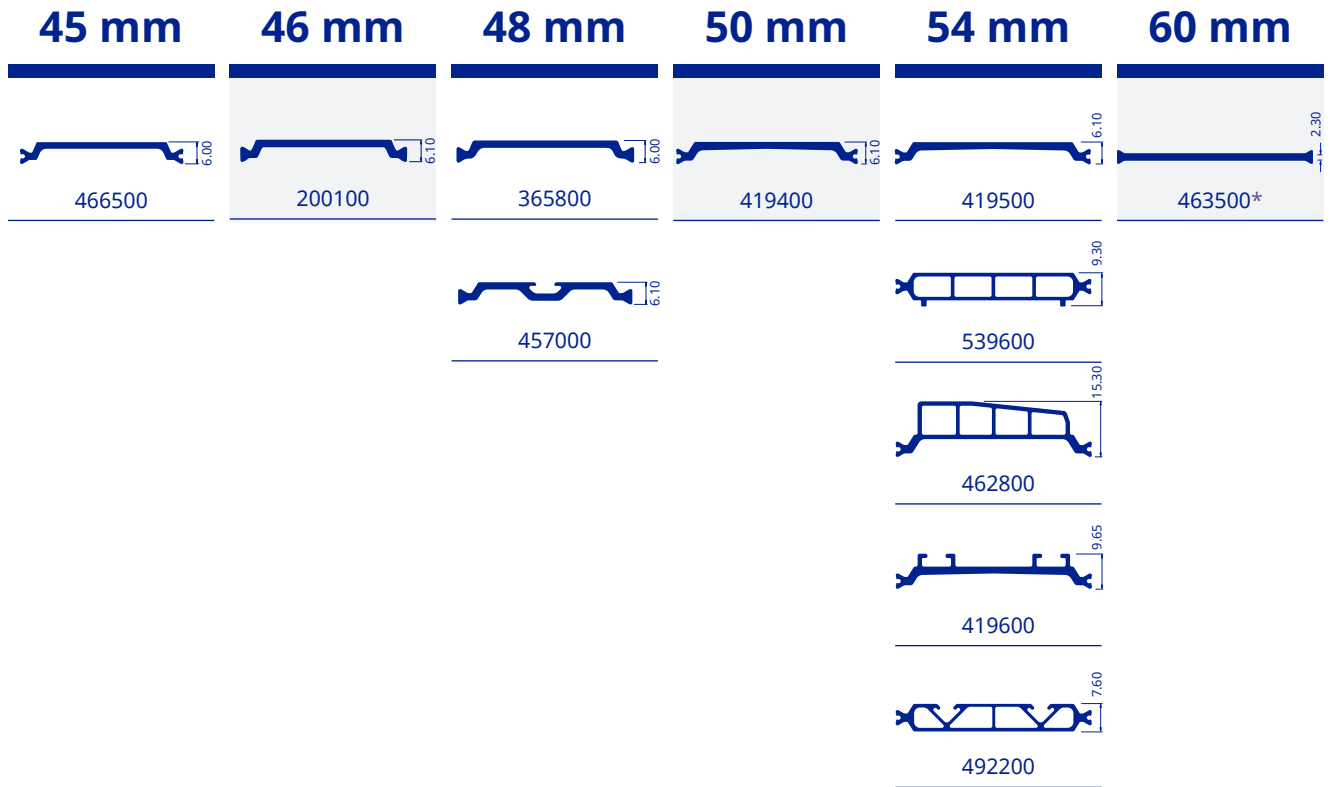
Standard profiles Polyamide

Our standard profiles are available in Standard and Recycled PA 66 GF25, dry impact resistant.

37 mm	38 mm	39 mm	40 mm	42 mm	44 mm
 394600*	 327800	 357900	 357800	 286300	 502100
 425200	 219300	 340000	 444200	 334800	 352100
 515000	 363700	 340300	 287800		 501000
 394400*		 340200	 412000		
 394500*		 546200	 521000		
		 452100	 441900		
		 340100			
		 368500			

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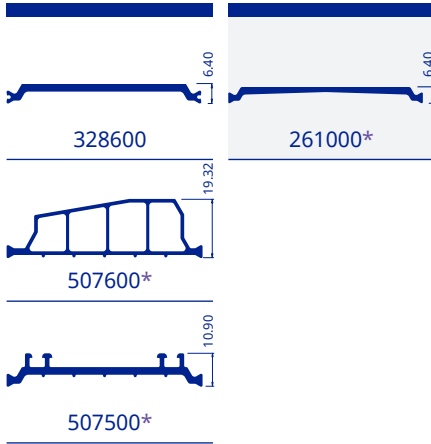


Standard profiles Polyamide

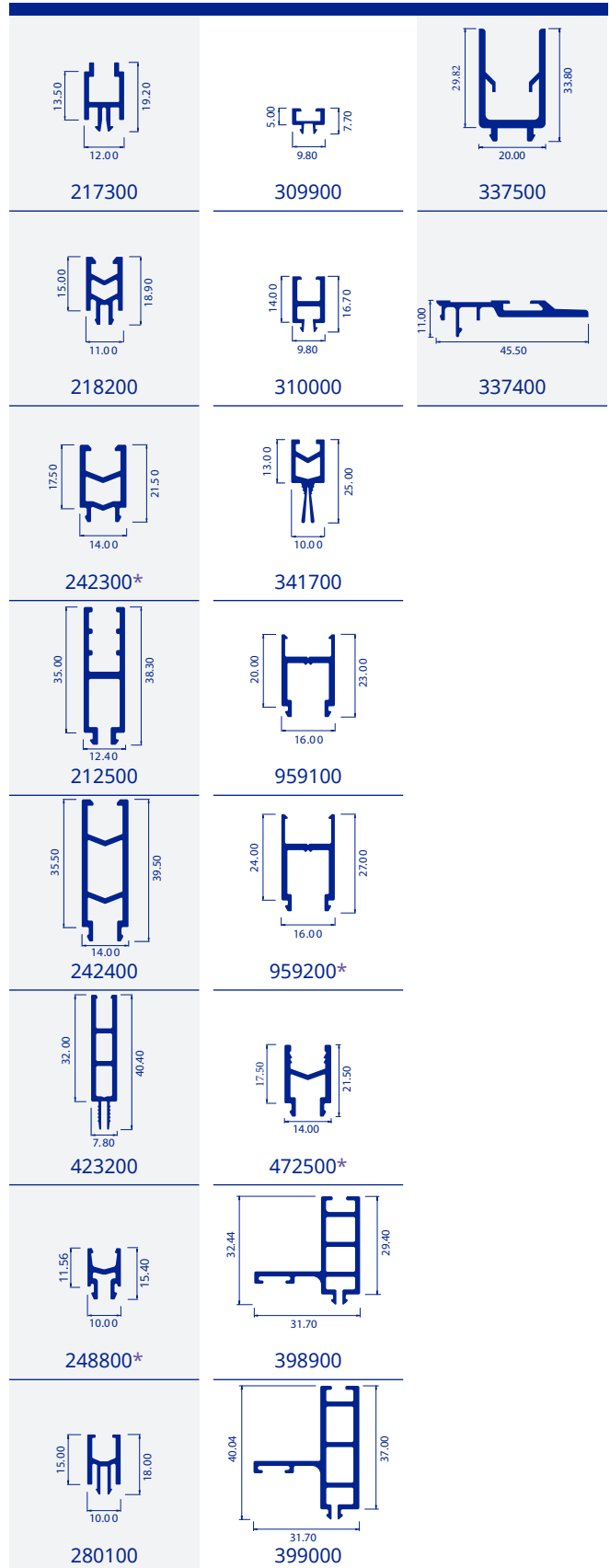
Our standard profiles are available in Standard and Recycled PA 66 GF25, dry impact resistant.

64 mm

77 mm



Curtain wall spacers



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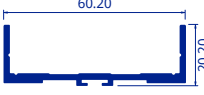



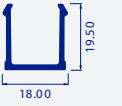
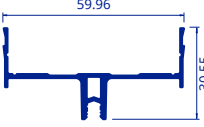


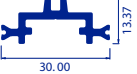
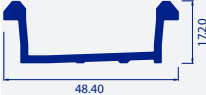




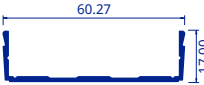







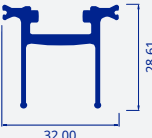




Operating Rods	Specials	Hidden Sash	Anti bi-metal		
 224400	 200600	 346000	 458800	 339000	 576000
 222400	 212100	 375400	 317000	 464400	 605100
 218000	 254400	 464900	 370000	 429900	 599900
 289400*	 505200	 529500	 317100	 520900	 598700
 254700	 492000	 506400	 339900	 521000	 590900
 224500	 432100*	 550600	 316200		 592400
	 491700*	 513400	 387500		 605200
	 449500*		 418100		

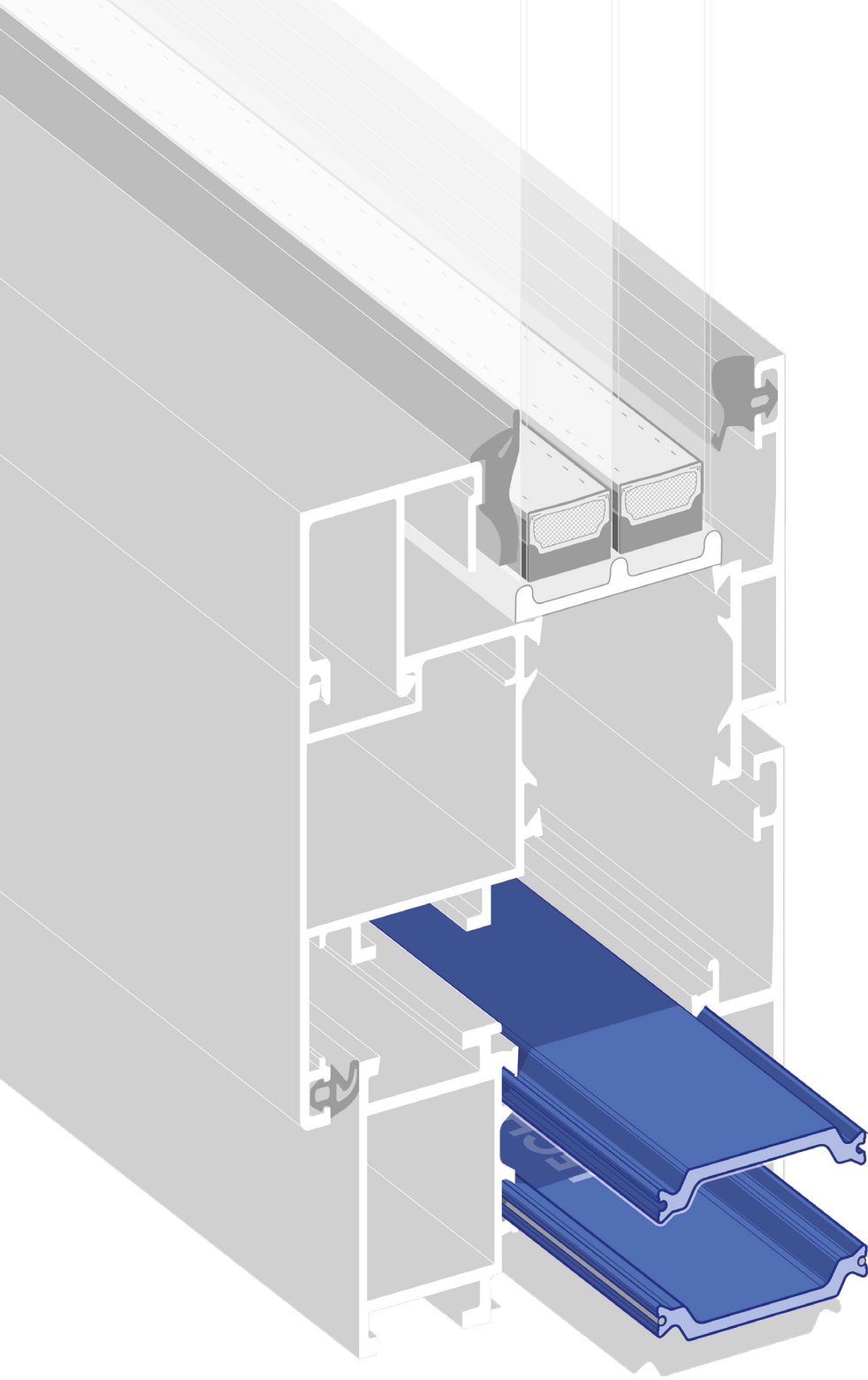
Standard profiles Polyamide

Our standard profiles are available in Standard and Recycled PA 66 GF25, dry impact resistant.

Profiles for sliding doors

Profiles for minimal sliding doors



 <p>200500</p>	 <p>389900</p>	 <p>301000</p>	 <p>306200#</p>	 <p>440100</p>
 <p>979600</p>	 <p>371900</p>	 <p>255300</p>	 <p>354300</p>	 <p>440200</p>
 <p>244900</p>	 <p>977100</p>	 <p>263000</p>	 <p>384300</p>	 <p>440300</p>
 <p>343200</p>	 <p>933000</p>	 <p>282200</p>		 <p>440400</p>
 <p>385200</p>	 <p>385100</p>	 <p>419000#</p>		
 <p>403600</p>	 <p>306300</p>	 <p>495600</p>		
 <p>415500</p>	 <p>229000</p>	 <p>274000</p>		
 <p>311300</p>	 <p>437700</p>	 <p>245000</p>		



**Standard profiles
Low Lambda**




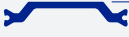




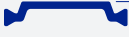

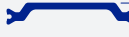


















Standard profiles Low Lambda Polyamide

Our profiles are done in Low Lambda PA 66 GF25, dry impact resistant.

12 mm	20 mm	22 mm	23 mm	24 mm	
 839200	 824300	 817700	 833100	 842400	 811000
	 835200	 847500		 804100	 845600
	 830600	 842300		 828300	 847600
	 834600	 818000		 833800	 829200
	 842700			 842200	
	 845700			 829400	
	 829300			 813900	
				 847700	
				 834000	
				 828200	
				 848600	
				 804200	






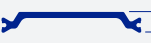




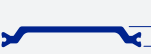

















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26 mm	28 mm	29 mm	30 mm	32 mm	34 mm
 824200	 809700	 815200	 846500	 823600	 821100
	 806100	 824100	 800200	 803000	 807600
	 803300	 824000	 809800	 803100	 802200
	 805900			 806300	 800900
	 809600				 833300
	 803200				 811800
					 823800
					 833200
					 835300
					 838700
					 831400
					 802800






















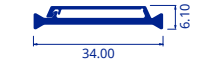


Standard profiles Low Lambda Polyamide

Our profiles are done in Low Lambda PA 66 GF25, dry impact resistant.

34 mm	35 mm	36 mm	37 mm	38 mm	39 mm
 838600	 816900	 809900	 829900	 843600	 810800
 813300		 840200	 813700	 808000	 827300
 811500					 801600
 813200					 842000
 825300					 827200
 838500					 805100
 830100					 801500
 821000					 842100
 846300					 821300
					 827100
					 801400
					 823400

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39 mm	40 mm	42 mm	44 mm	45 mm	50 mm
 805000	 841900	 806800	 810700	 808100	 812800
 800800	 806400	 845400			
		 840000			
		 840100			
		 835700			
		 835600			
		 839900			
54 mm	55 mm	Anti bi-metal		Profiles for sliding doors	
 812600	 833500	 835800	 810000	 843500	
 812500		 835900	 824600		
 822900		 835400			

Material data sheet

Insulating strips of **PA 66 GF25**, dry impact resistant

Characteristic	Reference standard	Unit	Samples prepared from extruded insulating strips		Injection-moulded samples
			Dry ⁽¹⁾	Equilibrium moisture content ⁽²⁾	Dry ⁽¹⁾
melting temperature	EN ISO 11357-3	°C	min. 250 ⁽³⁾	min. 250 ⁽³⁾	min. 250 ⁽³⁾
density	EN ISO 1183-1 or -3	g/cm ³	1.3 +/- 0.05	1.3 +/- 0.05	1.3 +/- 0.05
annealing residue (glass fibre content)	EN ISO 1172	%	25 +/- 2.5	25 +/- 2.5	25 +/- 2.5
shore hardness D	EN ISO 868	-	82 +/- 4 ⁽⁴⁾	78 +/- 4 ⁽⁴⁾	84 +/- 2
impact strength	EN ISO 179-1	kJ/m ²	min. 30 or without break ⁽⁵⁾	min. 40 or without break ⁽⁵⁾	min. 35 ⁽⁶⁾
tensile strength	EN ISO 527-2 and -4	N/mm ²	min. 80 ⁽⁷⁾	min. 50 ⁽⁷⁾	min. 110 ⁽⁸⁾
Young's modulus	EN ISO 527-2 and -4	N/mm ²	min. 4500 ⁽⁷⁾	min. 2000 ⁽⁷⁾	min. 6000 ⁽⁸⁾
elongation at break	EN ISO 527-2 and -4	%	min. 3 ⁽⁷⁾	min. 7 ⁽⁷⁾	min. 3 ⁽⁸⁾

Specific test conditions for each product are available in the download area on our website, [technoform.com](https://www.technoform.com).

In case of specific questions we gladly offer you our individual support.

Material data sheet

Insulating strips of **Low Lambda PA 66 GF25, dry impact resistant**

Characteristic	Reference standard	Unit	Samples prepared from extruded insulating strips	
			Dry ⁽¹⁾	Equilibrium moisture content ⁽²⁾
melting temperature	EN ISO 11357-3	°C	min. 250 ⁽³⁾	min. 250 ⁽³⁾
density	EN ISO 1183-1 or -3	g/cm ³	1.0 +/- 0.1	1.0 +/- 0.1
annealing residue (glass fibre content)	EN ISO 1172	%	25 +/- 2.5	25 +/- 2.5
shore hardness D	EN ISO 868	-	77 +/- 4 ⁽⁴⁾	67 +/- 4 ⁽⁴⁾
impact strength	EN ISO 179-1	kJ/m ²	min. 20 ⁽⁵⁾	min. 30 ⁽⁵⁾
tensile strength	EN ISO 527-2 and -4	N/mm ²	min. 50 ⁽⁶⁾	min. 35 ⁽⁶⁾
Young's modulus	EN ISO 527-2 and -4	N/mm ²	min. 2900 ⁽⁶⁾	min. 1300 ⁽⁶⁾
elongation at break	EN ISO 527-2 and -4	%	min. 3 ⁽⁶⁾	min. 8 ⁽⁶⁾

Specific test conditions for each product are available in the download area on our website, [technoform.com](https://www.technoform.com).

In case of specific questions we gladly offer you our individual support.

Cooperation partners

Europe

- Federation of European Window and Curtain Wall Manufacturers' Associations

France

- CSTB · Centre Scientifique et Technique du Bâtiment
- SNFA · Syndicat National de la Construction des Fenêtres, Façades et Activités Associées

Germany

- IFT-Rosenheim · Institut für Fenstertechnik e. V.
- FIW-München · Forschungsinstitut für Wärmeschutz e. V.
- IFZ · Informationszentrum Fenster Türen Fassaden e. V.
- VFF · Verband der Fenster- und Fassadenhersteller
- Bundesdeutscher Arbeitskreis für Umweltbewusstes Management (B.A.U.M.) e. V.
- A/U/F Aluminium und Umwelt im Fenster- und Fassadenbau
- EPEA Internationale Umweltforschung GmbH
- Deutsche Gesellschaft für Nachhaltiges Bauen

Great Britain

- CAB · Council for Aluminium in Building
- BFRC · British Fenestration Rating Council

Italy

- UNICMI · Unione nazionale delle Industrie delle Costruzioni Metalliche dell'Involucro e dei serramenti
- AITAL / QUALITAL · Associazione Italiana Trattamenti superficiali Alluminio / Organismo di Certificazione

Portugal

- ANFAJE · Associação Nacional dos Fabricantes de Janelas Eficientes
- APAL · Associação Portuguesa Do Alumínio

Spain

- AEA · Asociación Española del Aluminio y Tratamientos de Superficie

- ASEFAVE · Asociación Española de Fabricantes de Fachadas Ligeras y Ventanas
- Tecnalia Research & Innovation
- ENSATEC · Laboratorio de Ensayos Tecnológicos

The Americas

North America

- FGIA · Fenestration and Glazing Industry Alliance
- AEC · Aluminum Extruders Council
- GANA · Glass Association of North America
- NFRC · National Fenestration Rating Council

South America

- CAIAMA · Cámara Argentina de la Industria del Aluminio y Metales Afines.
- Brasil AFEAL · Associação Nacional de Fabricantes de Esquadrias de Alumínio.
- AMEVEC · Asociación Mexicana de Ventanas y Cerramientos

Asia

China

- CAIGA · China Architectural and Industrial Glass Assn.
- CCMSA · China Construction Metal Structure Assn.
- Hong Kong Facade Association
- National Committee of Standardization for Non-ferrous Metals

Korea

- KAFA · Korea Architectural Facade Association

Singapore

- SGBC · Singapore Green Building Council
- BCA · Building and Construction Authority of Singapore
- ESI · Energy Studies Institute – National University of Singapore

Australasia

Australia & New Zealand

- Window Association of New Zealand
- Australian Window Association
- AGGA · Australian Glass and Glazing Association

Certifications



Europe

TÜV Certification

according to ISO 9001:2015

Cradle to Cradle Certified™

Gold level Material Health Certificate
Environmental Product Declaration

Germany

TÜV Certification

according to

ISO 14001:2015

ISO 50001:2018

ISO 45001:2018

Italy

TÜV Certification

according to

ISO 14021:2021

RINA Certification

according to ISO 45001

Belgium

ATG Certification

North America

TÜV Certification

according to ISO 9001:2015

Russia

GOST Certification

Cradle to Cradle Certified™

Gold level Material Health Certificate

China

TÜV Certification

according to

ISO 14001:2015

ISO 9001:2015

ISO 45001:2018

Hong Kong

TÜV Certification

according to

ISO 14001:2015

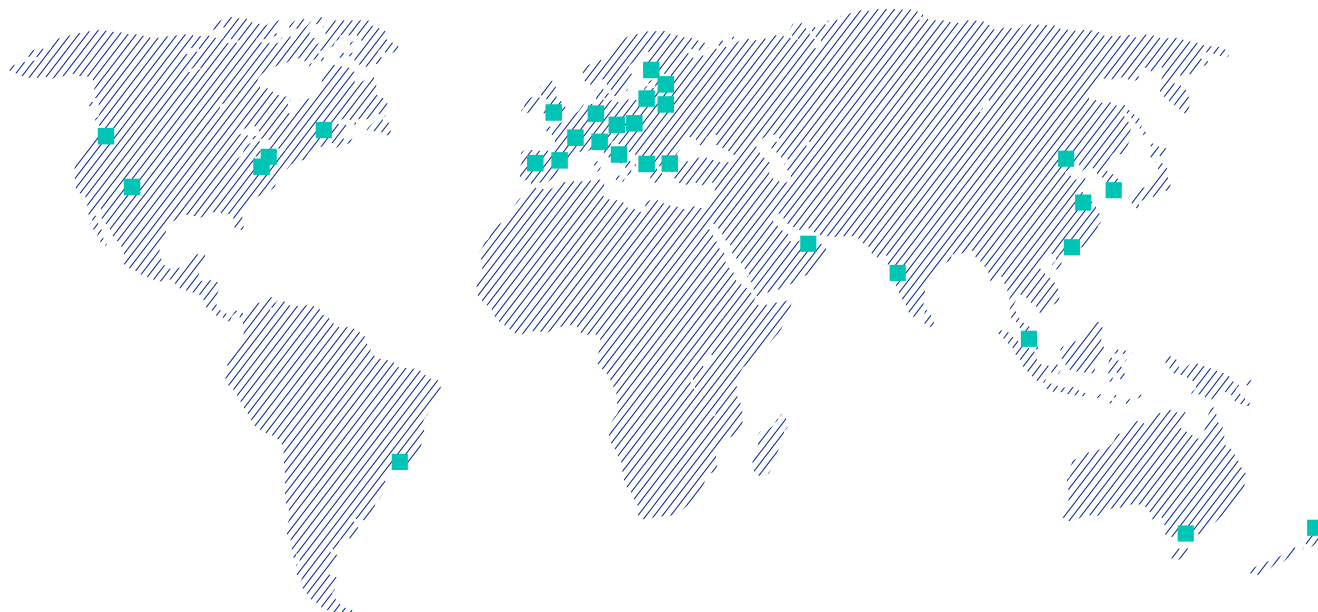
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Singapore

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Europe

Balkans	c/o Milan office
Telephone:	+39 02 9375 721
France	Lyon
Telephone:	+33 762 047301
Germany	Kassel
Telephone:	+49 561 9583400
	Kassel
Telephone:	+49 561 207530
Great Britain	Alcester
Telephone:	+44 1789 761323
Greece	c/o Milan office
Telephone:	+39 02 9375 721
Italy	Milan
Telephone:	+39 02 9375 721
Spain	Barcelona
Telephone:	+34 932 386 438
	Tordesillas
Telephone:	+34 983 796 632
Turkey	c/o Milan office
Telephone:	+39 02 9375 721

The Americas

North America	Twinsburg, OH	Telephone:	+1 330 4876600	Telephone:	+86 139 5240 2431
	Lafayette, OR	Telephone:	+1 971 8320502	Telephone:	+86 183 0621 2579
	Johnson City, TN	Telephone:	+1 423 2021812	Telephone:	+86 183 6275 2519
South America	São Paulo	Telephone:	+55 11 9925 22708	Telephone:	+86 183 0621 3160
	Argentina	Telephone:	+54 911 4565 5758	India	Mumbai
				Telephone:	+91 96 19333880
Asia				Japan	Tokyo
				Telephone:	+81 3 55799454
China	Suzhou	Telephone:	+86 512 62833188	Korea	Seoul
				Telephone:	+82 2 5017357
	Beijing	Telephone:	+86 010 65907177	Middle East	Dubai, UAE
				Telephone:	+971 4 3215615
	Shenzhen	Telephone:	+86 755 26727912	Singapore	Singapore
				Telephone:	+65 62739595
	Shanghai	Telephone:	+86 21 62611991	Taiwan	Taipei
				Telephone:	+886 95 5900727
	Shenyang	Telephone:	+86 24 23963791	Australasia	
				Australia	Melbourne
	Hong Kong	Telephone:	+852 2665 6322	Telephone:	+61 3 88445582
	Chengdu	Telephone:	+86 28 84397818	New Zealand	Auckland
				Telephone:	+64 9415 9050

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