Polifor® L6 GF/30

Polypropylene

Celanese Corporation

PROSPECTOR®
www.ulprospector.com

Technical Data

Product Description			
Polypropylene, homopolymer, 30% glass fiber reinforced, chemically coupled,Â suggested for use until 120Â°C as max operating temperature			
General			
Material Status	• Commercial: Active		
Literature [1]	• Technical Datasheet		
UL Yellow Card [2]	• E187982-101432256 • E187982-227104		
Search for UL Yellow Card	• Celanese Corporation • Polifor®		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber		
Processing Method	• Injection Molding		
Multi-Point Data	• Isothermal Stress vs. Strain (ISO 11403-1)	• Secant Modulus vs. Strain (ISO 11403-1)	

Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.5	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.40 to 0.80	%	
Flow	0.10 to 0.40	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	6700	MPa	ISO 527-1
Tensile Stress (Break)	85.0	MPa	ISO 527-2/5
Tensile Strain (Break)	3.5	%	ISO 527-2/5
Flexural Modulus (23°C)	6700	MPa	ISO 178
Flexural Stress (23°C)	140	MPa	ISO 178
Poisson's Ratio	0.45		ISO 527
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	13	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	60	kJ/m²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	13	kJ/m²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	148	°C	
Vicat Softening Temperature	140	°C	ISO 306/B50
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
1.5 mm	HB		
3.2 mm	HB		

Injection	Nominal Value	Unit
Drying Temperature	80 to 100	°C
Drying Time	2.0 to 3.0	hr
Rear Temperature	200 to 220	°C
Middle Temperature	220 to 240	°C
Front Temperature	240 to 260	°C
Processing (Melt) Temp	240 to 260	°C
Mold Temperature	50 to 80	°C

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Notes

[1] These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

[2] A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

[3] Typical properties: these are not to be construed as specifications.

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Where to Buy

Supplier

Celanese Corporation
Florence, Florence USA
Telephone: 800-833-4882
Web: https://www.celanese.com/

Distributor

AMP FRANCE
Telephone: +33-3-8920-1390
Web: http://www.amp.fr/
Availability: France

AMP TUNISIA
Telephone: +216-52-27-21-73
Web: http://www.amp.fr/
Availability: Tunisia

RESINEX Group
RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.
Telephone: +32-14-672511
Web: http://www.resinex.com/
Availability: Europe

SNETOR
SNETOR is a Pan European distribution company. Contact SNETOR for availability of individual products by country.
Telephone: +33-1-4904-8888
Web: http://www.snetor.com/
Availability: Bulgaria, Croatia, Czech Republic, France, Hungary, Poland, Romania, Serbia, Slovakia, Slovenia

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