Polifor® L6 GF/20 NATURALE

Polypropylene Homopolymer

SO.F.TER. SPA

Message:

Polypropylene homopolymer reinfirced with 20% chemically coupled glass fiber

General Information			
UL YellowCard	E187982-227104		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Chemically Coupled Homopolymer		
Uses	Automotive Applications		
Agency Ratings	EC 1907/2006 (REACH)		
UL File Number	E187982		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.05	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage	0.40	%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	70.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	4000	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
0°C	60	J/m	
23°C	80	J/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	135	°C	ASTM D648
Vicat Softening Temperature	128	°C	ASTM D1525 [1]
Ball Pressure Test (125°C)	Pass		IEC 335
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index	600	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
1.60 mm	HB		
3.20 mm	HB		

Glow Wire Ignition Temperature	650	°C	IEC 60695-2-13

Injection	Nominal Value	Unit
Rear Temperature	210	°C
Middle Temperature	240	°C
Front Temperature	250	°C
Mold Temperature	50.0 to 70.0	°C

NOTE	
1.	Rate A (50°C/h), Loading 2 (50 N)

Recommended distributors for this material

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