Cabofor® 28 GF/20 NATURALE

Polycarbonate

SO.F.TER. SPA

Message:

20% glass fiber reinforced grade, good mechanical properties

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.34	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage	0.40	%	Internal Method
Water Absorption (23°C, 24 hr)	0.080	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	105	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	5600	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-30°C	75	J/m	
0°C	75	J/m	
23°C	90	J/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	139	°C	ASTM D648
Vicat Softening Temperature	147	°C	ASTM D1525 [1]
Ball Pressure Test (125°C)	Pass		IEC 335
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index	150	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
0.800 mm	HB		
1.60 mm	V-1		
3.20 mm	V-1		
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13
Oxygen Index	31	%	ASTM D2863
Injection	**Nominal Value**	**Unit**	

Drying Temperature	120	°C
Drying Time	3.0	hr
Rear Temperature	250	°C
Middle Temperature	270	°C
Front Temperature	290	°C
Mold Temperature	100 to 120	°C

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

Recommended distributors for this material

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