

Cabofor® 28 GF/30 NATURALE

Polycarbonate

SO.F.TER. SPA

Message:

30% glass fiber reinforced polycarbonate grade

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage	0.30	%	Internal Method
Water Absorption (23°C, 24 hr)	0.050	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	130	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	8000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	80	J/m	
0°C	100	J/m	
23°C	110	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	32	%	ASTM D2863
Injection	Nominal Value	Unit	

Drying Temperature	120	°C
Drying Time	3.0	hr
Rear Temperature	260	°C
Middle Temperature	280	°C
Front Temperature	300	°C
Mold Temperature	100 to 120	°C

NOTE

1. Rate A (50°C/h), Loading 2 (50 N)

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