

Cabofor® 28 GF/20-V0 NATURALE

Polycarbonate

SO.F.TER. SPA

Message:

Flame retardant polycarbonate grade, 20% glass fiber reinforced, good mechanical properties

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Flame Retardant		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage	0.20	%	Internal Method
Water Absorption (23°C, 24 hr)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	105	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	6000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	90	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	147	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525 ¹
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	150	V	IEC 60112
Needle Flame Test	Pass		IEC 60695-11-5
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.20 mm	V-0		
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13
Oxygen Index	29	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0	hr	
Rear Temperature	260	°C	

Middle Temperature	280	°C
Front Temperature	300	°C
Mold Temperature	80.0 to 120	°C

NOTE

1. Rate A (50°C/h), Loading 2 (50 N)

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