

Cabofo® 28 NATURALE

Polycarbonate

SO.F.TER. SPA

Message:

Standard polycarbonate grade, excellent impact resistance

General Information			
Features	Good Impact Resistance		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage	0.60	%	Internal Method
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	62.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	150	J/m	
0°C	250	J/m	
23°C	600	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	131	°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	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm	V-2		
1.60 mm	V-2		
3.20 mm	V-2		
Glow Wire Ignition Temperature	750	°C	IEC 60695-2-13
Oxygen Index	26	%	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	90.0 to 110	°C

NOTE

1. Rate A (50°C/h), Loading 2 (50 N)

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