

EXCELLOY CK10G20

Polycarbonate + ABS

Techno Polymer Co, Ltd.

Message:

EXCELLOY CK10G20 is a Polycarbonate + ABS (PC+ABS) product filled with 20% glass fiber. It can be processed by injection molding and is available in Asia Pacific or North America. Primary characteristic: flame rated.

General Information			
UL YellowCard	E54297-244368		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
UL File Number	E54297		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	7.0	g/10 min	ISO 1133
Molding Shrinkage	0.10 to 0.30	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	112		ASTM D785
R-Scale	109		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	83.4	MPa	ASTM D638
Yield	76.0	MPa	ISO 527-2
Flexural Modulus			
--	5300	MPa	ASTM D790
--	4910	MPa	ISO 178
Flexural Strength			
--	118	MPa	ASTM D790
--	117	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	13	kJ/m ²	ISO 179
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	123	°C	ASTM D648
0.45 MPa, Unannealed	115	°C	ISO 75-2/B
Flammability	Nominal Value	Test Method	
Flame Rating (ALL)	HB	UL 94	
Injection	Nominal Value	Unit	

Drying Temperature	100 to 110	°C
Drying Time	2.0 to 5.0	hr
Rear Temperature	240 to 280	°C
Middle Temperature	240 to 280	°C
Front Temperature	240 to 280	°C
Mold Temperature	50.0 to 100	°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

