

EXCELLOY CK10G10

Polycarbonate + ABS

Techno Polymer Co, Ltd.

Message:

EXCELLOY CK10G10 is a Polycarbonate + ABS (PC+ABS) product filled with 10% 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, 10% Filler by Weight		
UL File Number	E54297		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	10	g/10 min	ISO 1133
Molding Shrinkage	0.20 to 0.40	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	111		ASTM D785
R-Scale	108		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	58.8	MPa	ASTM D638
Yield	59.0	MPa	ISO 527-2
Flexural Modulus			
--	3330	MPa	ASTM D790
--	3340	MPa	ISO 178
Flexural Strength			
--	98.1	MPa	ASTM D790
--	94.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	14	kJ/m ²	ISO 179
Notched Izod Impact	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	115	°C	ASTM D648
0.45 MPa, Unannealed	110	°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

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