

EXCELLOY CKF51G10

Polycarbonate + ABS

Techno Polymer Co, Ltd.

Message:

EXCELLOY CKF51G10 is a polycarbonate + acrylonitrile butadiene styrene (PC + ABS) product, which contains a 10% glass fiber reinforced material. It can be processed by injection molding and is available in North America or Asia Pacific.

Features include:

flame retardant/rated flame

Flame Retardant

General Information			
UL YellowCard	E54297-100136746		
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Additive	Flame retardancy		
Features	Flame retardancy		
UL File Number	E54297		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	23	g/10 min	ISO 1133
Molding Shrinkage	0.20 - 0.40	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	114		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	75.0	MPa	ISO 527-2
Flexural Modulus	3780	MPa	ISO 178
Flexural Stress	105	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	8.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	104	°C	ISO 75-2/B
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm, ALL	V-0		UL 94
2.50 mm, ALL	5VB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100 - 110	°C	
Drying Time	2.0 - 5.0	hr	
Rear Temperature	190 - 260	°C	
Middle Temperature	190 - 260	°C	

Front Temperature	190 - 260	°C
Mold Temperature	40.0 - 80.0	°C

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Recommended distributors for this material

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