

EXCELLOY TK10

Acrylonitrile Butadiene Styrene + PBT

Techno Polymer Co, Ltd.

Message:

EXCELLOY TK10 is an Acrylonitrile Butadiene Styrene + PBT (ABS+PBT) product. It can be processed by injection molding and is available in Asia Pacific or North America.

Characteristics include:

Chemical Resistant

Heat Resistant

General Information			
Features	Good Chemical Resistance		
	Medium Heat Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	12	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.70	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	105		ASTM D785
R-Scale	104		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	41.2	MPa	ASTM D638
Yield	40.0	MPa	ISO 527-2
Flexural Modulus			
--	2260	MPa	ASTM D790
--	1870	MPa	ISO 178
Flexural Strength			
--	69.6	MPa	ASTM D790
--	60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	28	kJ/m²	ISO 179
Notched Izod Impact	290	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	99.0	°C	ASTM D648
0.45 MPa, Unannealed	83.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	

Drying Temperature	80.0 to 90.0	°C
Drying Time	2.0 to 5.0	hr
Rear Temperature	220 to 270	°C
Middle Temperature	220 to 270	°C
Front Temperature	220 to 270	°C
Mold Temperature	40.0 to 80.0	°C

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