EXCELLOY TK15

Acrylonitrile Butadiene Styrene + PBT

Techno Polymer Co, Ltd.

Message:

EXCELLOY TK15 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
Impact Resistant

General Information			
Features	Good Chemical Resistance High Impact Resistance		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.10	g/cm³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	7.0	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	99		ASTM D785
R-Scale	98		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			
Yield	39.2	MPa	ASTM D638
Yield	38.0	MPa	ISO 527-2
Flexural Modulus			
--	1860	MPa	ASTM D790
--	1530	MPa	ISO 178
Flexural Strength			
--	63.7	MPa	ASTM D790
--	55.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	55	kJ/m²	ISO 179
Notched Izod Impact	590	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
0.45 MPa, Unannealed	93.0	°C	ASTM D648
0.45 MPa, Unannealed	77.0	°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

Recommended distributors for this material

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WECHAT