

EXCELLOY AK10

Acrylonitrile Butadiene Styrene + Nylon
Techno Polymer Co, Ltd.

Message:

EXCELLOY AK10 is an Acrylonitrile Butadiene Styrene + Nylon (ABS+Nylon) product. It can be processed by injection molding and is available in Asia Pacific or North America. Primary characteristic: chemical resistant.

General Information				
Features		Good Chemical Resistance		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.05	--	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (260°C/10.0 kg)	35	--	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.70	--	%	ISO 294-4
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				
R-Scale	110	101		ASTM D785
R-Scale	109	100		ISO 2039-2
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength				
Yield	52.0	40.2	MPa	ASTM D638
Yield	50.0	39.0	MPa	ISO 527-2
Flexural Modulus				
--	2500	1960	MPa	ASTM D790
--	2090	1610	MPa	ISO 178
Flexural Strength				
--	84.3	63.7	MPa	ASTM D790
--	75.0	55.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	11	24	kJ/m ²	ISO 179
Notched Izod Impact	120	250	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
0.45 MPa, Unannealed	92.0	85.0	°C	ASTM D648
0.45 MPa, Unannealed	78.0	72.0	°C	ISO 75-2/B
Injection	Dry	Unit		
Drying Temperature	80.0 to 90.0		°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	40.0 to 80.0	°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

