

EXCELLOY AK15

Acrylonitrile Butadiene Styrene + Nylon

Techno Polymer Co, Ltd.

Message:

EXCELLOY AK15 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.

Characteristics include:

Chemical Resistant

Impact Resistant

General Information				
UL YellowCard		E54297-100721118		
Features		Good Chemical Resistance		
		High Impact Resistance		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.06	--	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (260°C/10.0 kg)	60	--	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	102	91		ASTM D785
R-Scale	101	90		ISO 2039-2
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength				
Yield	42.2	30.4	MPa	ASTM D638
Yield	41.0	30.0	MPa	ISO 527-2
Flexural Modulus				
--	1960	900	MPa	ASTM D790
--	1610	680	MPa	ISO 178
Flexural Strength				
--	67.7	40.2	MPa	ASTM D790
--	59.0	32.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	69	76	kJ/m ²	ISO 179
Notched Izod Impact	740	810	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				

0.45 MPa, Unannealed	78.0	70.0	°C	ASTM D648
0.45 MPa, Unannealed	65.0	57.0	°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	

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Recommended distributors for this material

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