

Rilsan® BESN P40 BLK TL

Polyamide 11

Arkema

Message:

Rilsan ® BESN P40 BLK TL is a polyamide 11 produced from a renewable source. This natural grade is plasticized and designed for extrusion.

MAIN APPLICATIONS

Fuel line.

Air brake line.

General Information			
Additive	Plasticizer		
Features	Renewable Resource Content		
Uses	Automotive Applications		
	Tubing		
Appearance	Natural Color		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	68		
Shore D, 15 sec	61		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	340	MPa	ISO 527-2
Tensile Stress (Break)	53.0	MPa	ISO 527-2
Tensile Strain (Break)	> 200	%	ISO 527-2
Flexural Modulus	345	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	6.0	kJ/m ²	
23°C	No Break		
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	181	°C	ISO 11357-3
Additional Information	Nominal Value	Unit	Test Method
ISO Shortname	PA11-P, EHL, 22-003		ISO 1874
Renewable Carbon Conent	> 89	%	ASTM D6866
Extrusion	Nominal Value	Unit	

Drying Temperature	80.0 to 90.0	°C
Drying Time	4.0 to 8.0	hr
Melt Temperature	230 to 280	°C

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