

Rilsan® BESVO

Polyamide 11

Arkema

Message:

Rilsan ® BESVO TL is a polyamide 11 produced from a renewable source. This natural grade is designed for extrusion.

MAIN APPLICATIONS

Air brake line.

Pneumatic line.

General Information			
Features	Renewable Resource Content		
Uses	Automotive Applications		
Appearance	Natural Color		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	75		
Shore D, 15 sec	69		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	36.0	MPa	
Break	45.0	MPa	
Tensile Strain			
Yield	6.0	%	
Break	> 200	%	
Flexural Modulus	940	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	13	kJ/m²	
23°C	26	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	186	°C	ISO 11357-3
Additional Information	Nominal Value	Unit	Test Method
ISO Shortname	PA11, E, 22-010		
Renewable Carbon Conent	> 98	%	ASTM D6866

Extrusion	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	4.0 to 6.0	hr
Melt Temperature	230 to 280	°C

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