

Rilsan® MB 3610 NAT

Polyamide 11

Arkema

Message:

Rilsan ® MB 3610 NAT is a polyamide 11 produced from a renewable source. This natural grade is plasticized and specially designed for pneumatic applications. It combines very high flexibility with good impact resistance.

MAIN APPLICATIONS

Pneumatic tubing.

General Information			
Additive	Plasticizer		
Features	Good Flexibility		
	Good Impact Resistance		
	Renewable Resource Content		
Uses	Pneumatic Applications		
	Tubing		
Appearance	Natural Color		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	53		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	210	MPa	ISO 527-2
Tensile Stress (Break)	43.0	MPa	ISO 527-2
Tensile Strain (Break)	> 200	%	ISO 527-2
Flexural Modulus	200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	10	kJ/m²	
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	188	°C	ISO 11357-3
Additional Information	Nominal Value	Unit	Test Method
ISO Shortname	PA11-P, EHL, 22-002		ISO 1874
Renewable Carbon Conent	> 59	%	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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Recommended distributors for this material

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