

Rilsan® BMV BLK T

Polyamide 11

Arkema

Message:

Rilsan ® BMV BLK T is polyamide 11 produced from a renewable source. This natural grade is designed for injection molding.

MAIN APPLICATIONS

Injection of fittings for gas pipe line.

General Information			
Features	Renewable Resource Content		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	75		
Shore D, 15 sec	72		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1490	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	44.0	MPa	
Break	49.0	MPa	
Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	> 200	%	
Flexural Modulus	1280	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	10	kJ/m ²	
23°C	7.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	187	°C	ISO 11357-3
Additional Information	Nominal Value	Unit	Test Method
ISO Shortname	PA11, MHLR, 12-010		ISO 1874
Renewable Carbon Content	> 96	%	ASTM D6866
Injection	Nominal Value	Unit	Test Method
Drying Temperature	80.0	°C	

Drying Time	4.0 to 8.0	hr
Processing (Melt) Temp	230 to 280	°C
Mold Temperature	20.0 to 60.0	°C

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