Rilsan® BMN Noir TLD

Polyamide 11

Arkema

Message:

Rilsan ® BMN Noir TLD is a polyamide 11 produced from a renewable source. This black coloured grade is designed for injection molding.
MAIN APPLICATIONS
Injected parts.

General Information			
Features	Renewable Resource Content		
Appearance	Black		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.03	g/cm³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow : 30°C, 24 hr, 2.00 mm	0.80	%	
Flow : 30°C, 24 hr, 2.00 mm	0.40	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness			ISO 868
Shore D	77		
Shore D, 15 sec	72		
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1500	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	45.0	MPa	
Break	36.0	MPa	
Tensile Strain			ISO 527-2
Yield	6.0	%	
Break	> 200	%	
Flexural Modulus	1280	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-30°C	7.0	kJ/m²	
23°C	6.0	kJ/m²	
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
Flammability	**Nominal Value**		**Test Method**
Flame Rating			UL 94

1.00 mm	HB
3.00 mm	V-2

Additional Information	Nominal Value	Unit	Test Method
ISO Shortname	PA11, MHLR, 12-010		ISO 1874
Renewable Carbon Conent	> 94	%	ASTM D6866

Injection	Nominal Value	Unit
Drying Temperature	80.0 to 90.0	°C
Drying Time	4.0 to 6.0	hr
Processing (Melt) Temp	210 to 280	°C
Mold Temperature	20.0 to 60.0	°C

Recommended distributors for this material

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