Rilsan® BESNO P40 TLX NL

Polyamide 11

Arkema

Message:

Rilsan ® BESNO P40 TLX NL is a polyamide 11 produced from a renewable source. This natural grade is plasticized and designed for extrusion of large pipe as used in Oil and Gas applications. This grade does not contain any lubricant.
MAIN APPLICATIONS
Fluid transportation for Oil and Gas sector.

General Information			
Features	Renewable Resource Content		
Appearance	Natural Color		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.04	g/cm³	ISO 1183
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness			ISO 868
Shore D	68		
Shore D, 15 sec	60		
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	345	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	26.0	MPa	
Break	48.0	MPa	
Tensile Strain			ISO 527-2
Yield	52	%	
Break	> 200	%	
Flexural Modulus	310	MPa	ISO 178
Taber Abrasion Resistance (1000 Cycles, 1000 g, CS-17 Wheel)	9.50	mg	ISO 9352
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-30°C	7.0	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	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

Recommended distributors for this material

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