Rilsan® BESHV BLK T

Polyamide 11

Arkema

Message:

Rilsan® BESHV BLK T is an ultra high viscosity Polyamide 11 grade specifically designed to be extruded into large diameter thick wall pipe. This grade has been specifically engineered to achieve an outstanding balance of properties for Oil & Gas piping applications. It offers a cost effective system for non-metallic corrosion free fluid transfer in critical Oil and Gas industry applications. Rilsan® Polyamide 11 is the only thermoplastic material permitted by the US Department of Transportation (DOT) under the Code of Federal Regulations (CFR) Title 49, Part 192, for gas distribution piping to be installed and operated at pressures up to and including 200 psi in a design factor of 0.40
MAIN APPLICATIONS
Oil & Gas piping applications.

General Information			
Features	Updatable resources Viscosity, High		
Uses	Piping system		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.03	g/cm³	ISO 1183
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ISO 868
Shaw D	77		ISO 868
Shaw D, 15 seconds	72		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1390	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	42.0	MPa	ISO 527-2
Fracture	52.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	5.0	%	ISO 527-2
Fracture	> 200	%	ISO 527-2
Flexural Modulus	1180	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-30°C	11	kJ/m²	ISO 179
23°C	10	kJ/m²	ISO 179
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		ISO 179
23°C	No Break		ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature	189	°C	ISO 11357-3

Additional Information	Nominal Value	Unit	Test Method
ASTM Classification	PA0320 B32300		ASTM D4066
Renewable Carbon Conent	> 95	%	ASTM D6866

Injection	Nominal Value	Unit
Drying Temperature	176	°C
Drying Time	12	hr
Processing (Melt) Temp	240 - 290	°C
Mold Temperature	20.0 - 60.0	°C

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China