RILSAN®
BESHV BLK T

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 a 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 250 psi in a design factor of 0.40.
The percentage of renewable carbon according to ASTM D 6866 (calculated) is **>95%.**

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
MECHANICAL PROPERTIES			
Tensile Modulus	- / 1390 - / 202000	MPa psi	ISO 527-1/-2
Yield stress	- / 42 - / 6090	MPa psi	ISO 527-1/-2
Yield strain	- / 5	%	ISO 527-1/-2
Stress at Break	- / 52 - / 7540	MPa psi	ISO 527-1/-2
Strain at Break	- / >50	%	ISO 527-1/-2
Charpy Impact Strength, +23°C	- / No Break	kJ/m²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / 10 - / 4.76	kJ/m² ftlb/in²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 11 - / 5.23	kJ/m² ftlb/in²	ISO 179/1eA
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	189 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1030 / - 1.03 / -	kg/m³ g/cm³	ISO 1183
%Bio-Based	95	-	ASTM D6866

MAIN APPLICATIONS:

- Oil and Gas piping applications

PACKAGING:

ARKEMA

+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

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This grade is delivered dried in sealed packaging ready to be processed. For best results in gas pipe extrusion, additional desiccant bed drying to maintain/achieve moisture values <0.02% is recommended.

SHELF LIFE:
Two years from the delivery. For any use above this limit, please refer to our technical services.

PROCESSING CONDITIONS*
Melt Temperature: (Min / Recommended / Max) 240°C / 270°C / 290°C.

Mold: (Temperature) 20-60°C.

Drying: (Time / Temperature / Desiccant Bed Dryer) 12 hours / 80°C / -40°C.
*only necessary for bags opened for more than two hours

PROCESSING Injection Molding, Profile Extrusion
DELIVERY FORM Pellets
SPECIAL CHARACTERISTICS Bio-Based
REGIONAL AVAILABILITY North America, Europe, Asia Pacific, South and Central America, Near East/Africa

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