

RILSAN® TIEFLEX R463 NAT TL

Rilsan® TIEFLEX R463 NAT TL resin is a flexible tie layer alloy partially based on renewable resources. This grade is designed for air brake application (tie layer for air brake tubing).

Packaging:

This grade is delivered dried in sealed packaging (25kg bags) ready to be processed.

Shelf life:

Two years from the date of delivery. For any use above this limit, please refer to our technical services.

MAIN CHARACTERISTICS

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	8 / *	cm ³ /10min	ISO 1133
Temperature	235 / *	°C	-
Load	5 / *	kg	-
MECHANICAL PROPERTIES			
Tensile Modulus	- / 500	MPa	ISO 527-1/-2
Yield stress	- / 28	MPa	ISO 527-1/-2
Yield strain	- / 50	%	ISO 527-1/-2
Nominal Strain at Break	- / > 50	%	ISO 527-1/-2
Charpy Impact Strength, +23°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / No Break	kJ/m ²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 8	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	214 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1080 / -	kg/m ³	ISO 1183

Processing conditions

- Typical melt temperature (min / recommended / max): 220°C / 230°C / 240°C
- Drying time and temperature (only necessary for bags opened for more than two hours): 4-6 hours at 80°C

PROCESSING

Profile Extrusion, Other Extrusion

DELIVERY FORM

Pellets

REGIONAL AVAILABILITY

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

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RILSAN®
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Arkema Inc. – Technical Polymers

900 First Avenue
King of Prussia, PA 19406
Tel.: +1 610 205 7000
Fax: +1 610 205 7497
arkema-america.com

RILSAN®
BY ARKEMA

Headquarters: Arkema France

420, rue d'Estienne d'Orves
92705 Colombes Cedex – France
Tel.: +33 1 49 00 80 80
Fax: +33 1 49 00 83 96
arkema.com