

RILSAN®

TIEFLEX R463 BLACK TLCP

Rilsan® TIEFLEX R463 BLACK TLCP 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.

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	8.9 / *	cm ³ /10min	ISO 1133
Temperature	235 / *	°C	-
	455 / *	°F	-
Load	5 / *	kg	-
	11 / *	lb	-
MECHANICAL PROPERTIES			
Tensile Modulus	- / 540	MPa	ISO 527-1/-2
	- /	psi	
Yield stress	78300 / 729	MPa	ISO 527-1/-2
	- / 4210	psi	
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	- / 9	kJ/m ²	ISO 179/1eA
	- / 4.28	ftlb/in ²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	214 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1080 / -	kg/m ³	ISO 1183
	1.08 / -	g/cm ³	

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

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PROCESSING Other Extrusion	
DELIVERY FORM Pellets	
REGIONAL AVAILABILITY North America, Europe, Asia Pacific, South and Central America, Near East/Africa	