RILSAN®
TIEFLEX R473 NAT TL

Rilsan® TIEFLEX R473 NAT TL resin is a flexible and partially bio based tie layer alloy. 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	5.4 / *	cm³/10 min	ISO 1133
Temperature	235 / *	°C	-
	455 / *	°F	
Load	5 / *	kg	-
	11 / *	lb	
MECHANICAL PROPERTIES			
Stress at 50% Strain	- / 28	MPa	ISO 527-1/-2
	- / 4060	psi	
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	- / 100	kJ/m²	ISO 179/1eA
	- / 47.6	ftlb/in²	
Charpy Notched Impact Strength, -30°C	- / 11	kJ/m²	ISO 179/1eA
	- / 5.23	ftlb/in²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	215 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Water Absorption, 23°C, immersion, equilibrium	6.7 / *	%	ISO 62
Humidity Absorption, 23°C, RH50%, equilibrium	2.1 / *	%	ISO 62
Density	1100 / -	kg/m³	ISO 1183
	1.1 / -	g/cm³	

Processing conditions
- Typical melt temperature (min / recommended / max): 230°C / 240°C / 250°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

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