

Product Texts

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.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	5.4 / *	cm ³ /10min	ISO 1133
Temperature	235 / *	°C	-
Load	5 / *	kg	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Stress at 50% strain	- / 28	MPa	ISO 527
^[C] Strain at break	- / >50	%	ISO 527
^[C] Charpy notched impact strength, +23°C	- / 100	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	- / 11	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	215 / *	°C	ISO 11357-1/-3

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	6.7 / *	%	Sim. to ISO 62
^[C] Humidity absorption	2.1 / *	%	Sim. to ISO 62
^[C] Density	1100 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Other Extrusion

Certifications

Contains renewable resources

Delivery form

Pellets, Natural Color

Regional Availability

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

Other text information**Other extrusion****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