

RILSAN® TIEFLEX S452 NAT T6L

Rilsan® TIEFLEX S452 NAT T6L resin is a flexible tie layer alloy partially based on renewable resources. This grade is designed for multilayer automotive and trucks lines (tie layer for fuel line). In the case of direct contact with fuel, contact Arkema representative for recommendations.

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	3.7 / *	cm ³ /10min	ISO 1133
Temperature	235 / *	°C	-
Load	5 / *	kg	-
MECHANICAL PROPERTIES			
Tensile Modulus	685 / 515	MPa	ISO 527-1/-2
Yield stress	- / 33	MPa	ISO 527-1/-2
Yield strain	- / 31	%	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	- / 95	kJ/m ²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 6.5	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	217 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Water Absorption	2.9 / *	%	Sim. to ISO 62
Humidity Absorption	1.2 / *	%	Sim. to ISO 62
Density	1090 / -	kg/m ³	ISO 1183

Processing conditions

- Typical melt temperature (min / recommended / max): 220°C / 230°C / 270°C
- Drying time and temperature (only necessary for bags opened for more than two hours): 4-6 hours at 80°C

PROCESSING

Other Extrusion

DELIVERY FORM

Pellets

REGIONAL AVAILABILITY

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

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RILSAN®
BY ARKEMA

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