Rilsan® TIEFLEX S452 NAT T6L

PA* ARKEMA

Product Texts

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.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**3.7 / ***	cm³/10min	ISO 1133
Temperature	**235 / ***	°C	-
Load	**5 / ***	kg	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**685 / 515**	MPa	ISO 527
[C] Yield stress	**- / 33**	MPa	ISO 527
[C] Yield strain	**- / 31**	%	ISO 527
[C] Nominal strain at break	**- / >50**	%	ISO 527
[C] Charpy notched impact strength, +23°C	**- / 95**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**- / 6.5**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**217 / ***	°C	ISO 11357-1/-3

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Water absorption	**2.9 / ***	%	Sim. to ISO 62
[C] Humidity absorption	**1.2 / ***	%	Sim. to ISO 62
[C] Density	**1090 / -**	kg/m³	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): 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