Rilsan® BMNO

PA11

Rilsan® BMNO (PA11,M,12-010) resin

Rilsan® BMNO resin is a polyamide produced from a renewable source.

This natural grade contains no additive and is specially designed for food contact application.

Renewable Carbon: 100%

Rheological properties	dry / cond	Unit	Test Standard
Molding shrinkage, parallel	**0.4 / ***	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.8 / ***	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
Tensile Modulus	**- / 1280**	MPa	ISO 527-1/-2
Yield stress	**- / 41**	MPa	ISO 527-1/-2
Yield strain	**- / 5**	%	ISO 527-1/-2
Nominal strain at break	**- / >50**	%	ISO 527-1/-2
Charpy impact strength, +23°C	**- / N**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**- / N**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**- / 9**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**- / 4**	kJ/m²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
Melting temperature, 10°C/min	**189 / ***	°C	ISO 11357-1/-3

Other properties	dry / cond	Unit	Test Standard
Density	**1030 / 1030**	kg/m³	ISO 1183

Test specimen production	Value	Unit	Test Standard
Injection Molding, melt temperature	**260**	°C	ISO 294
Injection Molding, mold temperature	**50**	°C	ISO 10724
Injection Molding, pressure at hold	**16**	MPa	ISO 294

Characteristics

Processing
Injection Molding

Delivery form
Pellets

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

Chemical Media Resistance

Acids

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on http://www.arkema.com/en/products/product-safety/disclaimer/index.html

- ✔ Acetic Acid (5% by mass) (23°C)
- ✔ Citric Acid solution (10% by mass) (23°C)

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