Rilsamid® AMNO

PA12 ARKEMA

Product Texts

Rilsamid® AMNO resin is a natural polyamide 12. This grade is designed for injection moulding.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
[C] Melt volume-flow rate, MVR	**57 / ***	cm³/10min	ISO 1133
Temperature	**235 / ***	°C	-
Load	**2.16 / ***	kg	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**- / 1100**	MPa	ISO 527
[C] Yield stress	**- / 37**	MPa	ISO 527
[C] Yield strain	**- / 8**	%	ISO 527
[C] Nominal strain at break	**- / >50**	%	ISO 527
[C] Charpy notched impact strength, +23°C	**- / 5**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**- / 6**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**180 / ***	°C	ISO 11357-1/-3

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Density	**1010 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Regional Availability

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

Other text information

Injection molding

Processing conditions, Injection:

- Typical melt temperature (Min / Recommended / Max) : 230°C / 270°C / 280°C.
- Mold temperature : 25 - 60°C
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 80 - 90°C.