

RILSAMID® AMNO

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

MAIN CHARACTERISTICS

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	57 / *	cm³/10min	ISO 1133
Temperature	235 / *	°C	-
Load	2.16 / *	kg	-
MECHANICAL PROPERTIES			
Tensile Modulus	- / 1100	MPa	ISO 527-1/-2
Yield stress	- / 37	MPa	ISO 527-1/-2
Yield strain	- / 8	%	ISO 527-1/-2
Nominal Strain at Break	- / >50	%	ISO 527-1/-2
Charpy Impact Strength, +23°C	- / No Break	kJ/m²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / 5	kJ/m²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 6	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	180 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1010 / -	kg/m³	ISO 1183

Processing conditions, Injection:

- Typical melt temperature (Min / Recommended / Max) : 230°C / 270°C / 290°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.

PROCESSING

Injection Molding

DELIVERY FORM

Pellets

REGIONAL AVAILABILITY

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

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