

TECHNICAL DATA SHEET RILSAMID® AMNO

POLYAMIDE 12 PELLET

RILSAMID® AMNO is a polyamide 12 resin. This natural grade without additive is designed for tube extrusion.

Type : ISO 16396 - PA12, M, C12-010

DESIGNATION

PA12

MAIN APPLICATIONS

- Industry - Distribution
- Auto - Others Injection

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Injection Molding

RHEOLOGICAL PROPERTIES

プロパティ	価値	UNIT	テスト基準
Melt volume flow rate (MVR), 235°C / 2.16 kg (455°F / 4.4 lb)	57	cm³/10min	ISO 1133
Shrinkage, Parallel (t+24h)	1.1	%	ISO 294-4
Shrinkage, Normal (t+24h)	1.2	%	ISO 294-4

MECHANICAL PROPERTIES

プロパティ	DRY / COND VALUE*	UNIT	テスト基準
Charpy unnotched impact strength, 23°C (73°F)	- / No Break		ISO 179 1eU
Charpy unnotched impact strength, -30°C (-22°F)	- / No Break		ISO 179 1eU
Nominal strain at break, 23°C (73°F), 50 mm/min	- / > 50	%	ISO 527-1/-2
Yield strain, 23°C (73°F), 50 mm/min	- / 8	%	ISO 527-1/-2
Yield stress, 23°C (73°F), 50 mm/min	- / 37	MPa	ISO 527-1/-2
Tensile modulus, 23°C (73°F), 1 mm/min	- / 1100	MPa	ISO 527-1/-2
Charpy notched impact strength, 23°C (73°F)	- / 5	kJ/m²	ISO 179 1eA
Charpy notched impact strength, -30°C (-22°F)	- / 6	kJ/m²	ISO 179 1eA
Flexural modulus, 23°C (73°F)	- / 920	MPa	ISO 178

*DRY: Dry As Molded (DAM) if pellet / Dry if powder.
COND: Conditionned.

THERMAL PROPERTIES

プロパティ	価値	UNIT	テスト基準
Melting temperature, 10°C/min	180	°C	ISO 11357-1/-3

OTHER PROPERTIES

プロパティ	価値	UNIT	テスト基準
Specific gravity, 23°C (73°F)	1.01	g/cm³	ISO 1183-1

包装

This grade is delivered dried in sealed packaging ready to be processed. Available packaging:

- 20 kg / 44 lb 袋

賞味期限

Two years from the date of delivery, when stored properly (sealed bags, appropriate moisture, UV protection and temperature). For any use above this limit, please refer to our technical services.

PROCESSING CONDITIONS:

- 典型的な溶融温度 (最小 / 推奨 / 最大) - 射出成形: 210°C / 230°C / 260°C (410°F / 445°F / 500°F)
- 典型的な金型温度 - 射出成形: 20-60°C (70-140°F)
- Drying time and temperature: 80-90°C (175-195°F) / 4-6 hours

Headquarter: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80