

TECHNICAL DATA SHEET ORGALLOY® RDG 113

POLYAMIDE ALLOY PELLET

ORGALLOY® RDG 113 is a polyamide alloy. This natural flexible grade is designed for extrusion to produce refrigerant barrier layer in automotive & non automotive air conditioning rubber hose.

DESIGNATION

PA*

MAIN APPLICATIONS

- Cable
- Industry - Distribution
- Auto - Air Conditioning Circuit

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Extrusion - General
- Tube Extrusion

ADDITIVES

- Heat Stabilized
- Light Stabilized

MECHANICAL PROPERTIES

プロパティ	DRY / COND VALUE*	テスト基準
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	- / 4.4 %	ISO 527-1/-2
Yield stress, 23°C (73°F), 50 mm/min	- / 47 MPa	ISO 527-1/-2
Tensile modulus, 23°C (73°F), 1 mm/min	2253 / 2253 MPa	ISO 527-1/-2

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

THERMAL PROPERTIES

プロパティ	価値	テスト基準
Melting temperature, 10°C/min	229 °C	ISO 11357-1/-3

OTHER PROPERTIES

プロパティ	価値	テスト基準
Specific gravity, 23°C (73°F)	1.12 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 bags

ORGALLOY® RDG 113

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: 250°C / 270°C / 290°C (480°F / 520°F / 555°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

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