

TECHNICAL DATA SHEET

RILSAMID® AESNO P401 TL

POLYAMIDE 12 PELLET

RILSAMID® AESNO P401 TL is a polyamide 12 compound. This natural plasticized & impact-modified grade is designed for tube extrusion, including air brake tubing (HIPHL).

Designation : ISO 16396 - PA12-IP, EG1HL, C22-004

DESIGNATION

PA12-IP

MAIN APPLICATIONS

- Heavy Truck - Air Brake Lines

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Extrusion - General
- Tube Extrusion

ADDITIVES

- Heat Stabilized
- Light Stabilized

RHEOLOGICAL PROPERTIES

プロパティ	価値	テスト基準
Melt volume flow rate (MVR), 235°C / 5 kg (455°F / 11 lb)	13 cm ³ /10min	ISO 1133

MECHANICAL PROPERTIES

プロパティ	DRY / COND VALUE*	テスト基準
Charpy notched impact strength, 23°C (73°F)	- / 46 kJ/m ²	ISO 179 1eA
Charpy notched impact strength, -30°C (-22°F)	4 / 8 kJ/m ²	ISO 179 1eA
Flexural modulus, 23°C (73°F)	- / 330 MPa	ISO 178

*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	174 °C	ISO 11357-1/-3

ELECTRICAL PROPERTIES

プロパティ	DRY / COND VALUE*	テスト基準
Dielectric stress, 23°C (73,4°F)	- / 41	IEC 60243-1

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COND: Conditionned.

OTHER PROPERTIES

プロパティ	価値	テスト基準
Specific gravity, 23°C (73°F)	1.03 g/cm ³	ISO 1183-1

包装

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

- 20 kg / 44 lb bags
- 454 kg / 1000 lb rigid containers

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: 230°C / 250°C / 270°C (445°F / 480°F / 520°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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