

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

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Extrusion - General
- Tube Extrusion

ADDITIVES

- Heat Stabilized
- Light Stabilized

RHEOLOGICAL PROPERTIES

속성	값	테스트 표준
Melt volume flow rate (MVR), 235°C / 5 kg (455°F / 11 lb)	13 cm ³ /10min	ISO 1133

MECHANICAL PROPERTIES

속성	DRY / COND VALUE*	테스트 표준
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.

속성	값	테스트 표준
Melting temperature, 10°C/min	174 °C	ISO 11357-1/-3

THERMAL PROPERTIES ELECTRICAL PROPERTIES

속성	DRY / COND VALUE*	테스트 표준
Dielectric stress, 23°C (73,4°F)	- / 41	IEC 60243-1

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COND: Conditionned.

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OTHER PROPERTIES

속성	값	테스트 표준
Specific gravity, 23°C (73°F)	1.03 g/cm ³	ISO 1183-1

PACKAGING

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

- 21 kg / 44 lb bags
- 455 kg / 1000 lb rigid containers

SHELF LIFE

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:

- Typical melt temperature (Min / Recommended / Max) - Injection Molding: 230°C / 250°C / 270°C (445°F / 480°F / 520°F)
- Typical mold temperature - Injection molding: 20-60°C (70-140°F)
- Drying time and temperature: 80-90°C (175-195°F) / 4-6 hours

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