

TECHNICAL DATA SHEET RILSAMID® AECHVO

POLYAMIDE 12 PELLET

RILSAMID® AECHVO a polyamide 12 resin. This natural grade is designed for cable coating but is also suitable for tube extrusion.

Designation : ISO 16396 - PA12, KHL, C18-010

DESIGNATION

PA12

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Sheet Extrusion

RHEOLOGICAL PROPERTIES

속성	값	테스트 표준
Melt volume flow rate (MVR), 235°C / 5 kg (455°F / 11 lb)	45 cm ³ /10min	ISO 1133

MECHANICAL PROPERTIES

속성	DRY / COND VALUE*	테스트 표준
Hardness, Shore D, 15 s	- / 73	ISO 868
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	- / 6 %	ISO 527-1/-2
Yield stress, 23°C (73°F), 50 mm/min	- / 38 MPa	ISO 527-1/-2
Tensile modulus, 23°C (73°F), 1 mm/min	- / 1200 MPa	ISO 527-1/-2
Charpy notched impact strength, 23°C (73°F)	- / 7 kJ/m ²	ISO 179 1eA
Charpy notched impact strength, -30°C (-22°F)	- / 6 kJ/m ²	ISO 179 1eA
Flexural modulus, 23°C (73°F)	- / 1200 MPa	ISO 178

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

속성	값	테스트 표준
Melting temperature, 10°C/min	178 °C	ISO 11357-1/-3

OTHER PROPERTIES

속성	값	테스트 표준
Specific gravity, 23°C (73°F)	1.01 g/cm ³	ISO 1183-1

RILSAMID® AECHVO

PACKAGING

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

- 801 kg / 1760 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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