

TECHNICAL DATA SHEET

RILSAN® EVOLUTION ENO P210 TL

POLYAMIDE ALLOY PELLET

RILSAN® EVOLUTION ENO P210 TL is a polyamide 11 compound. It is partially produced from a renewable & sustainable source (castor oil). This grade is designed for high pressure fuel contact applications.

DESIGNATION

PA*

MAIN APPLICATIONS

- Auto - In Tank & Fuel Venting Lines

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Tube Extrusion

ADDITIVES

- Heat Stabilized
- Light Stabilized
- Plasticizer

MECHANICAL PROPERTIES

プロパティ	DRY / COND VALUE*	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
Yield strain, 23°C (73°F), 50 mm/min	- / 39 %	ISO 527-1/-2
Yield stress, 23°C (73°F), 50 mm/min	32 / 32 MPa	ISO 527-1/-2
Tensile modulus, 23°C (73°F), 1 mm/min	400 / 400 MPa	ISO 527-1/-2
Charpy notched impact strength, 23°C (73°F)	- / 24 kJ/m2	ISO 179 1eA
Charpy notched impact strength, -30°C (-22°F)	- / 3 kJ/m2	ISO 179 1eA
Flexural modulus, 23°C (73°F)	- / 450 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	215 °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)	1.08 g/cm³	ISO 1183-1

RILSAN® EVOLUTION ENO P210 TL

包装

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

- 25 kg / 55 lb bags

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:

- 典型的な熔融温度 (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: 40-90°C (105-195°F)
- Drying time and temperature: 80-90°C (175-195°F) / 4-6 hours

SPECIAL CHARACTERISTICS

- Bio-based

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