

TECHNICAL DATA SHEET

RILSAN® BESNO P40 TLO

POLYAMIDE 11 PELLET

RILSAN® BESNO P40 TLO is a polyamide 11 compound. It is produced from a renewable & sustainable source (castor oil). This natural plasticized grade is designed for tube extrusion, with a particularly low amount of oligomers.

Designation : ISO 16396 - PA11-P, EG1HL, C22-003

TYPE

PA11-P

MAIN APPLICATIONS

- Upstream - Bonded Pipes
- Upstream - Onshore - Growth
- Upstream - Offshore Flexible Pipes
- Cable
- Auto - In Tank & Fuel Venting Lines
- Auto - Gasoline Lines

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Extrusion - General
- Tube Extrusion

ADDITIVES

- Heat Stabilized
- Light Stabilized
- Plasticizer

MECHANICAL PROPERTIES

プロパティ	DRY / COND VALUE*	UNIT	テスト基準
Hardness, Shore D, 15 s	- / 60		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	- / 46	%	ISO 527-1/-2
Yield stress, 23°C (73°F), 50 mm/min	- / 26	MPa	ISO 527-1/-2
Tensile modulus, 23°C (73°F), 1 mm/min	- / 310	MPa	ISO 527-1/-2
Charpy notched impact strength, 23°C (73°F)	No Break / No Break		ISO 179 1eA
Charpy notched impact strength, -30°C (-22°F)	- / 6	kJ/m2	ISO 179 1eA
Flexural modulus, 23°C (73°F)	- / 300	MPa	ISO 178

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

THERMAL PROPERTIES

プロパティ	値	UNIT	テスト基準
Melting temperature, 10°C/min	182	°C	ISO 11357-1/-3

RILSAN® BESNO P40 TLO

OTHER PROPERTIES

プロパティ	価値	UNIT	テスト基準
Specific gravity, 23°C (73°F)	1.04	g/cm³	ISO 1183-1

包装

- Available packaging:
- 25 kg / 55 lb 袋
 - 550 kg / 1200 lb 硬質容器

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

SPECIAL CHARACTERISTICS

- Bio-based
- Low oligomers

Headquarter: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80