

TECHNICAL DATA SHEET

RILSAN® BECV BLUE T8L

POLYAMIDE 11 PELLET

RILSAN® BECV BLUE T8L is a polyamide 11 compound. It is produced from a renewable & sustainable source (castor oil). This grade is designed for cable coating but is also suitable for tube extrusion.

Designation : ISO 16396 - PA11, KHL, C18-010

TYPE

PA11

MAIN APPLICATIONS

- Cable

DELIVERY FORM

- Pellets

MECHANICAL PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Flexural modulus	- / 1280	MPa	ISO 178
Yield stress, 23°C (73°F)	- / 40	MPa	ISO 527-1/-2
Yield strain, 23°C (73°F)	- / 7	%	ISO 527-1/-2
Stress at break, 20%, 23°C (73°F), 50 mm/min	- / 65	MPa	ISO 527-1/-2
Nominal strain at break, 23°C (73°F)	- / > 50	%	ISO 527-1/-2
Charpy notched impact strength, 23°C (73°F)	- / 10	kJ/m2	ISO 179 1eA
Charpy notched impact strength, -30°C (-22°F)	- / 12	kJ/m2	ISO 179 1eA
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
Hardness, shore D, 15 s	- / 71		ISO 868

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

THERMAL PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Melting temperature, 10°C/min	189	°C	ISO 11357-1/-3

OTHER PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Density, 23°C (73°F)	1.03	g/cm³	ISO 1183-1

PACKAGING

Available packaging:

- 550 kg rigid containers

RILSAN® BECV BLUE T8L

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: 250°C / 270°C / 290°C (480°F / 520°F / 555°F)

SPECIAL CHARACTERISTICS

- Bio-based

REGIONAL AVAILABILITY

Africa, Asia Pacific, Europe, Latin America and the Caribbean, Northern America