

RILSAN® FX0035

Rilsan® FX0035 is an experimental fibreglass reinforced polyamide 11 produced from a renewable source. This grade dedicated to injection is specially designed for metal-replacement in medical applications.

Note that this document is a temporary technical data sheet.

MAIN CHARACTERISTICS

Property	Typical Value	Unit	Test Method
Nature & Designation	PA11- GF 65		
Density	1.68	g/cm ³	ISO 1183
Melting Point	188	°C	ISO 11357
Melting Volume Index (235°C, 5 kg)	6.7	cm ³ / 10 min	ISO 1133
Tensile Test (**) Stress at Break 23°C Strain at Break 23°C Stress at Break 60°C Strain at Break 60°C	208 3.9 155 5	MPa % MPa %	ISO 527
Tensile Modulus (**) 23°C 60°C	18 500 11 600	MPa MPa	ISO 527
Charpy Impact (*) Unnotched 23°C Unnotched -30°C V-notched 23°C 1eA V-notched -30°C 1eA	NB NB 24 19	kJ/m ² kJ/m ² kJ/m ² kJ/m ²	ISO 179

(*) Samples conditioned 15 days at 23°C - 50 % R.H.

(**) Samples Dried as molded

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MAIN APPLICATIONS

- Surgical tools

PROCESSING CONDITIONS

Conditions	Typical values
Injection Melt Temperature (Min / Recommended / Max)	270°C / 285°C / 300°C
Mold Temperature	30 – 90°C
Drying (only necessary for bags/containers opened for more than two hours) Time Temperature	4 - 8 hours 80 - 90°C

PACKAGING

This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed.

SHELF LIFE

Two years from the date of delivery. For any use above this limit, please refer to our technical services.

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(D21-046, D21-0607, D21-472)

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See Safety Data Sheet for Health & Safety Considerations.

Arkema Specialty Polyamides
420, rue d'Estienne d'Orves
92705 Colombes Cedex - France
arkema.com – rilsamid.com

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