

Rilsan® PA 11 **BESNO MED** is a polyamide produced from a renewable source. This grade dedicated to extrusion offers the highest quality and it is specially designed to meet the stringent requirements of the medical applications such as minimally invasive devices. Upon request letters regarding USP Class VI testing can be provided.

GENERAL PROPERTIES	METHOD	UNIT	TYPICAL VALUES
Nature & designation	ISO 1874	-	PA11, E, 22-010
Bio Based Carbon (calculation)	ASTM 6866	%	100
Density	ISO R 1183 D	g/cm ³	1.02
Melting point	ISO 11357	°C	186
Hardness shore (*) instantaneous after 15 s	ISO 868	Shore D Shore D	76 71
Tensile test (*) stress at yield strain at yield stress at break strain at break	ISO 527	MPa % MPa %	40 6 50 > 200
Tensile modulus (*)	ISO 527	MPa	1200
Flexural modulus (*)	ISO 178	MPa	1130
Charpy impact unnotched 23°C unnotched -30°C notched 23°C notched -30°C	ISO 179/1eU " " " " ISO 179/1eA " " " "	kJ/m ² " " " "	No break No break 15 13

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

PROCESSING CONDITIONS	TYPICAL VALUES
Drying (*) : time / temperature	4-6 hours / 80-90°C
Injection Temperature : min / recommended / max	230°C / 250°C / 280°C

(*) Rilsan® is delivered dried in sealed packaging ready to be processed. Drying is only necessary for bags opened for more than 2 hours.

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