

Rilsan® PA 11 **PCG ROUND ND MPC** is a polyamide produced from a renewable source. This natural grade is designed for the production of powders

GENERAL PROPERTIES	METHOD	UNIT	TYPICAL VALUES
Nature & designation	ISO 1874	-	PA11, MHLR, 12-010
Bio Based Carbon (calculation)	ASTM 6866	%	100 %
Density	ISO 1183	g/cm ³	1.03
Melting point	ISO 11357	°F (°C)	372 (189)
Hardness (*) instantaneous after 15 s	ISO 868	Shore D "	74 70
Tensile test (*) stress at yield strain at yield stress at break strain at break	ISO 527	psi (MPa) % psi (MPa) %	5,800 (40) 21 7,400 (51) > 200
Tensile modulus (*)	ISO 527	psi (MPa)	158,000 (1090)
Flexural modulus (*)	ISO 178	psi (MPa)	139,000 (960)
Charpy impact unnotched 23°C unnotched -30°C notched 23°C notched -30°C	ISO 179/1eU " ISO 179/1eA "	ft-lb/in ² (kJ/m ²) " " "	No break No break 3.8 (8) 4.8 (10)

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

(*) 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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