

Polyether block amide **Pebax® Rnew 63R53 SP 01** is a thermoplastic elastomer made of flexible polyether and rigid polyamide based on renewable resources. This SP grade has been developed to be heat and UV resistant.

Note that this document is a **temporary** data sheet.

Main Characteristics	Value	Unit	Test Method
Percentage of Renewable Carbon (calculation)	77-81	%	ASTM 6866
Density	1.03	g/cm ³	ISO 1183
Melting Point	180	°C	ISO 11357
Hardness Shore (*) Instantaneous After 15 s	62 57	Shore D Shore D	ISO 868
Tensile Test (*) Stress at Break Strain at Break	56 >450	MPa %	ISO 527
Tensile Modulus (*)	260	MPa	ISO 527

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

Processing Conditions	Typical Values
Drying (*) : Time / Temperature	4-6 hours / 65-75°C
Injection Temperature : Min / Recommended / Max	230°C / 260°C / 290°C
Extrusion Temperature : Min / Recommended / Max	210°C / 225°C / 240°C
Mold Temperature :	25-60°C

(*) Pebax® 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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