

Polyether block amide **Pebax® Rnew 55R53 SA 01** is a thermoplastic elastomer made of flexible polyether and rigid polyamide based on renewable resources.

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

Main Characteristics	Value	Unit	Test Method
Percentage of Renewable Carbon (calculation)	62-66	%	ASTM 6866
Density	1.03	g/cm ³	ISO 1183
Melting Point	167	°C	ISO 11357
Hardness Shore (*) Instantaneous After 15 s	53 51	Shore D Shore D	ISO 868
Tensile Test (*) Stress at Break Strain at Break	45 >400	MPa %	ISO 527
Tensile Modulus (*)	145	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	200°C / 240°C / 270°C
Extrusion Temperature : Min / Recommended / Max	210°C / 220°C / 230°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.