

Polyether block amide **Pebax® Rnew 35R53 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)	28-32	%	ASTM 6866
Density	1.02	g/cm ³	ISO 1183
Melting Point	146	°C	ISO 11357
Hardness Shore (*) Instantaneous After 15 s	32 25	Shore D Shore D	ISO 868
Tensile Test (*) Stress at Break Strain at Break	30 >700	MPa %	ISO 527
Tensile Modulus (*)	50	MPa	ISO 527

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

Processing Conditions	Typical Values
Drying (*) : Time / Temperature	4-8 hours / 55-65°C
Injection Temperature : Min / Recommended / Max	180°C / 210°C / 240°C
Extrusion Temperature : Min / Recommended / Max	190°C / 205°C / 220°C
Mold Temperature :	10-30°C

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