

Polyether block amide **Pebax® Rnew 25R53 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)	17-21	%	ASTM 6866
Density	1.01	g/cm ³	ISO 1183
Melting Point	136	°C	ISO 11357
Hardness Shore (*) Instantaneous After 15 s	26 22	Shore D Shore D	ISO 868
Tensile Test (*) Stress at Break Strain at Break	34 >750	MPa %	ISO 527
Tensile Modulus (*)	15	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	170°C / 190°C / 210°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.