25R53 SP 01

Polyether block amide **Pebax® Rnew 25R53 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)	***17-21***	*%*	*ASTM 6866*
Density	**1.01**	g/cm^3	ISO 1183
Melting Point	**136**	℃	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℃ - 50 % R.H.

Processing Conditions	Typical Values
Drying (*): Time / Temperature	4-8 hours / 55-65℃
Injection Temperature: Min / Recommended / Max **Extrusion Temperature:** Min / Recommended / Max	180℃ / 210℃ / 240℃ 170℃ / 190℃ / 210℃
Mold Temperature:	10-30℃

(*) 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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The world is our inspiration

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