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pebax® Rnew

40R53 SP 01

Polyether block amide **Pebax® Rnew 40R53 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)	***44-48***	*%*	*ASTM 6866*
Density	**1.03**	g/cm^3	ISO 1183
Melting Point	**148**	℃	ISO 11357
Hardness Shore (*) Instantaneous After 15 s	 **42** **39**	 Shore D Shore D	ISO 868
Tensile Test (*) Stress at Break Strain at Break	 **45** **>600**	 MPa %	ISO 527
Tensile Modulus (*)	**70**	MPa	ISO 527

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

Processing Conditions	Typical Values
Drying (*): Time / Temperature	4-6 hours / 60-70℃
Injection Temperature: Min / Recommended / Max **Extrusion Temperature:** Min / Recommended / Max	200℃ / 240℃ / 270℃ 210℃ / 220℃ / 230℃
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.