

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	°C	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°C - 50 % R.H.

Processing Conditions	Typical Values
Drying (*) : Time / Temperature	4-6 hours / 60-70°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 :	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.

DPT/TDS/55474/August 2008

The information contained in this document is based on trials carried out by our Research Centres and data selected from the literature, but shall in no event be held to constitute or imply any warranty, undertaking, express or implied commitment from our part. Our formal specifications define the limit of our commitment. No liability whatsoever can be accepted by Arkema with regard to the handling, processing or use of the product or products concerned which must in all cases be employed in accordance with all relevant laws and/or regulations in force in the country or countries concerned.