

Polyether block amide **PEBAX® RDG 277** is a thermoplastic elastomer made of flexible polyether and rigid polyamide reinforced with glass fibers.

Main Characteristics	Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Water Absorption at Equilibrium at 20°C and 50 % RH	0.6	%	ISO 62
Water Absorption at Saturation 24 h in water at 23°C	1.0	%	
Melting Point	174	°C	ISO 11357
Vicat Point Under 1 daN	170	°C	ISO 306
Hardness Shore (*) Instantaneous After 15 s	71 68	Shore D Shore D	ISO 868
Tensile Test (*) Stress at Break Strain at Break	45 17	MPa %	ASTM D 638
Flexural Modulus (*)	1500	MPa	ISO 178
Charpy Impact V-notched -30°C	7.3	kJ/m ²	ISO 179
Abrasion (*) DIN 10 N / 40 m TABER H 18 / 1 kg / 1000 rotations	115 90	mm ³ mm	ISO 4649 ISO 9352

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

Processing Conditions	Typical Values
Drying (*) : Time / Temperature	6-8 hours / 70-80°C
Injection Temperature : Min / Recommended / Max	240°C / 270°C / 300°C
Mold Temperature :	25-60°C

(*) 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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