

Pebax® Clear 300 combines high transparency level with the unique performance of Pebax®, thermoplastic elastomer made of flexible polyether and rigid polyamide.

Main Characteristics	Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Water Absorption at Equilibrium at 20°C and 50 % RH	0.7	%	ISO 62
Water Absorption at Saturation 24 h in water at 23°C	1.6	%	
Melting Point	160	°C	ISO 11357
Vicat Point Under 1 daN	119	°C	ISO 306
Hardness Shore (*) Instantaneous	59	Shore D	ISO 868
After 15 s	53	Shore D	
Tensile Test (*) Stress at Break	49	MPa	ASTM D 638
Strain at Break	>350	%	
Flexural Modulus (*)	212	MPa	ISO 178
Charpy Impact unnotched 23°C	No break	kJ/m ²	ISO 179
unnotched -30°C	No break	kJ/m ²	
V-notched 23°C	No break	kJ/m ²	
V-notched -30°C	No break	kJ/m ²	

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

Processing Conditions	Typical Values
Drying (*): Time / Temperature	3-4 hours / 60°C
Injection Temperature: Min / Recommended / Max	210°C / 240°C / 270°C
Mold: Temperature Surface	< 30°C Mirror polish to get the optimum transparency

(*) 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/54410/ June 2008

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