

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

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

Processing Conditions	Typical Values
<b>Drying (*)</b> : Time / Temperature	3-4 hours / 60°C
<b>Injection Temperature</b> : Min / Recommended / Max	210°C / 240°C / 270°C
<b>Mold</b> : 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

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.