

PEBAX[®] CLEAR 400

Pebax[®] Clear 400 combines high transparency level with the unique performance of Pebax[®], thermoplastic elastomer made of flexible polyether and rigid polyamide.

MAIN CHARACTERISTICS

Property	Typical Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Melting Point	159	°C	ISO 11357
Shrinkage (after 24 h, 4 mm, mold at 40°C) // ⊥	0.6 0.7	% %	Internal method
Hardness (*) Instantaneous After 15 s	64 56	Shore D Shore D	ISO 868
Tensile Test (*) Stress at Break Strain at Break	54 >350	MPa %	ISO 527
Flexural Modulus (*)	340	MPa	ISO 178
Charpy Impact (*) Unnotched 23°C Unnotched -30°C V-notched 23°C V-notched -30°C	No break No break No break No break	kJ/m ² kJ/m ² kJ/m ² kJ/m ²	ISO 179

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

PEBAX® CLEAR 400

MAIN APPLICATIONS

- Sport shoes.
- Ski shoes.

PROCESSING CONDITIONS

Conditions	Typical values
Injection Melt Temperature (Min / Recommended / Max)	210°C / 240°C / 270°C
Mold (mirror polish to get the optimum transparency) Temperature	< 30°C
Drying (only necessary for bags opened for more than two hours) Time Temperature	3 - 4 hours 60°C

PACKAGING

This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed.

SHELF LIFE

Two years from the date of delivery. For any use above this limit, please refer to our technical services.

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See Safety Data Sheet for Health & Safety Considerations.