

Pebax® Clear 300

Polyether Block Amide

Arkema

Message:

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

Main Applications:

Sport shoes

Ski shoes

General Information			
Features	High Clarity		
Uses	Footwear		
	Sporting Goods		
	Thermoforming Applications		
Appearance	Clear/Transparent		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	1.6	%	ISO 62
Water Absorption - 50% R.H. (20°C)	0.70	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	59		
Shore D, 15 sec	53		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	49.0	MPa	ISO 527-2
Tensile Strain (Break)	> 350	%	ISO 527-2
Flexural Modulus	210	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	119	°C	ISO 306
Melting Temperature	160	°C	ISO 11357-3
Injection	Nominal Value	Unit	

Drying Temperature	60.0	°C
Drying Time	3.0 to 4.0	hr
Processing (Melt) Temp	210 to 270	°C
Mold Temperature	< 30.0	°C

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