

Pebax® Clear 400

Polyether Block Amide

Arkema

Message:

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

General Information			
Features	High Clarity		
Uses	Footwear		
Appearance	Clear/Transparent		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Molding Shrinkage ¹			Internal Method
Across Flow : 24 hr, 4.00 mm	0.70	%	
Flow : 24 hr, 4.00 mm	0.60	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	64		
Shore D, 15 sec	56		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	54.0	MPa	ISO 527-2
Tensile Strain (Break)	> 350	%	ISO 527-2
Flexural Modulus	340	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
Melting Temperature	159	°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	
NOTE			

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