

Pebax® 7233 SA 01

Polyether Block Amide

Arkema

Message:

Polyether block amide Pebax® 7233 SA 01 is a thermoplastic elastomer made of flexible polyether and rigid polyamide. This SA grade is suitable for food contact applications.

General Information			
Features	Food Contact Acceptable		
Uses	Footwear		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Molding Shrinkage ¹			Internal Method
Across Flow : 24 hr, 4.00 mm	1.5	%	
Flow : 24 hr, 4.00 mm	1.2	%	
Water Absorption			ISO 62
23°C, 24 hr	0.90	%	
Equilibrium, 23°C, 50% RH	0.70	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	69		
Shore D, 15 sec	61		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	56.0	MPa	ISO 527-2
Tensile Strain (Break)	> 300	%	ISO 527-2
Flexural Modulus	510	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C, Complete Break	10	kJ/m ²	
23°C, Complete Break	15	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	164	°C	ISO 306
Melting Temperature	174	°C	ISO 11357-3
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	5.0 to 7.0	hr	

Processing (Melt) Temp	230 to 290	°C
Mold Temperature	25.0 to 60.0	°C
Extrusion	Nominal Value	Unit
Drying Temperature	70.0 to 80.0	°C
Drying Time	5.0 to 7.0	hr
Melt Temperature	220 to 250	°C

NOTE		
1.	Mold at 40°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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