

Pearlbond™ 104

Thermoplastic Polyurethane Elastomer

Lubrizol Advanced Materials, Inc.

Message:

Pearlbond® 104 is a linear, aromatic polyurethane, supplied in form of small white or slightly yellowish granules, which combines a high crystallisation rate with a high thermoplasticity level. It is used for Hot melt adhesives.

Pearlbond® 104 is mainly used for making heat-sealable fabrics (thermobonding), obtained by coating processes such as scattering or dot-coating (powder or paste). In all cases, the product is previously ground into powder, by cryogenic grinding. The particle size of the powder will depend on the application technique to be used.

General Information			
Features	Aromatic		
	Crystalline		
	Heat Sealable		
Uses	Adhesives		
	Coating Applications		
	Fabrics		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	White		
	Yellow		
Forms	Granules		
Processing Method	Coating		
	Scatter Coating		
Physical	Nominal Value	Unit	Test Method
Density (20°C)	1.19	g/cm ³	ISO 2781
Melt Mass-Flow Rate (MFR) (170°C/2.16 kg)	4.0 to 10	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	93		ISO 868
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	70.0 to 80.0	°C	Internal Method
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity ¹ (160°C)	2950	Pa · s	ISO 1133
Additional Information	Nominal Value	Unit	Test Method
Crystallization Rate	High		Internal Method
Softening Range	65 to 75	°C	Internal Method
Thermoplasticity	High		Internal Method
NOTE			

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Recommended distributors for this material

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