

Pearlbond™ 550

Thermoplastic Polyurethane Elastomer (Polycaprolactone)

Lubrizol Advanced Materials, Inc.

Message:

Pearlbond™ 550 is a linear, polycaprolactone-copolyester polyurethane, supplied in form of white spherical granules with a very high crystallization rate and a very high thermoplasticity level.

APPLICATIONS

Pearlbond™ 550 can be added to formulations of REACTIVE POLYURETHANE HOT-MELTS (HMPUR), in order to improve the crystallisation speed.

General Information			
Features	Linear polymer structure		
Uses	Plastic modification		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	White		
Forms	Particles		
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)	10 - 30	g/10 min	ISO 1133
Moisture Content		%	Internal method
Crystallization Rate	10.0 - 14.0	min	Internal method
OH Value		mg KOH/g	Internal method
Thermoplasticity	Very High		Internal method
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	66.0 - 70.0	°C	Internal method
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (130°C)	2700	Pa · s	ISO 1133

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