

Lubrizol Advanced Materials Pearlbond® 539 Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Pearlbond® 539 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. Application: Pearlbond® 539 can be added to formulations of REACTIVE POLYURETHANE HOT-MELTS (HMPUR), in order to improve the crystallisation speed. Information provided by Merquinsa

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Advanced-Materials-Pearlbond-539-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in³	ISO 2781
Viscosity	1.70e+6 cP @Temperature 130 °C	1.70e+6 cP @Temperature 266 °F	Melt; ISO 1133
Melt Flow	150 - 200 g/10 min @Load 2.16 kg, Temperature 170 °C	150 - 200 g/10 min @Load 4.76 lb, Temperature 338 °F	ISO 1133

Thermal Properties	Metric	English	Comments
Melting Point	58.0 - 60.0 °C	136 - 140 °F	MQSA 70A

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.15 %	<= 0.15 %	MQSA 44

Descriptive Properties	Value	Comments
Crystallization Rate	8-10 minutes	
OH Value	< 5 mg KOH/g.	MQSA 47A
Thermoplasticity Level	Very Low	

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