

Lubrizol Advanced Materials PEARLBOND® 508 Linear Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Pearlbond®, 508 is a linear, polycaprolactone-copolyester polyurethane, supplied in form of white spherical granules, with a high crystallization rate and a medium thermoplasticity level. Application: Pearlbond®, 508 can be added to formulations of REACTIVE POLYURETHANE HOT-MELTS (HMPUR), in order to improve the crystallisation speed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Advanced-Materials-PEARLBOND-508-Linear-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ISO 2781
Viscosity	7.50e+6 cP	7.50e+6 cP	Melt; ISO 1133
	@Temperature 130 °C	@Temperature 266 °F	
Melt Flow	40 - 90 g/10 min	40 - 90 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 170 °C	@Load 4.76 lb, Temperature 338 °F	

Thermal Properties	Metric	English	Comments
Melting Point	73.0 - 77.0 °C	163 - 171 °F	MQSA 70 A

Chemical Properties	Metric	English	Comments
Total Base Number	<= 3.0	<= 3.0	mg KOH/g; MQSA 47 A

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

Descriptive Properties	Value	Comments
Crystallization rate (minutes)	17-23	MQSA 12 B
Thermoplasticity	Medium	MQSA 68 A

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