

Lubrizol Advanced Materials Pearlbond® 580 Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Pearlbond®,ç 580 is a linear, Polyester-based TPU, supplied in form of white spherical granules with a very high crystallization rate and a very high thermoplasticity level. Application: Pearlbond®,ç 580 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-580-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ISO 2781
Viscosity	2.70e+6 cP @Temperature 130 Â°C	2.70e+6 cP @Temperature 266 Â°F	Melt; ISO 1133
Melt Flow	10 - 30 g/10 min @Load 2.16 kg, Temperature 170 Â°C	10 - 30 g/10 min @Load 4.76 lb, Temperature 338 Â°F	ISO 1133

Thermal Properties	Metric	English	Comments
Melting Point	65.0 - 71.0 Â°C	149 - 160 Â°F	MQSA 70 A

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.150 %	<= 0.150 %	MQSA 44

Descriptive Properties	Value	Comments
Crystallization Rate	14-18 minutes	MQSA 12 B
OH Value	< 3 mg/KOH/g	MQSA 47 A
Thermoplasticity	Very High	MQSA 68A

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