

Lubrizol Advanced Materials PEARLBOND® 115 Linear Thermoplastic Polyurethane (discontinued **)

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

PEARLBOND® 115 is a linear, aromatic polyurethane, supplied in form of white slightly yellowish pellets, which combines a very high crystallization rate with a high thermoplasticity level. Applications: PEARLBOND® 115 is used for textile coating for making shoe-stiffeners (toe puffs & counters), by extrusion or sintering process.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Advanced-Materials-PEARLBOND-115-Linear-Thermoplastic-Polyurethane-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	DIN 53.479
Brookfield Viscosity	250 - 500 cP	250 - 500 cP	RVT (15% in MEK); MQSA 40 A
Melt Flow	100 - 150 g/10 min @Load 2.16 kg, Temperature 170 °C	100 - 150 g/10 min @Load 4.76 lb, Temperature 338 °F	DIN 53.735

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	91	91	DIN 53.505
Hardness, Shore D	40	40	DIN 53.505

Thermal Properties	Metric	English	Comments
Melting Point	100 - 120 °C	212 - 248 °F	MQSA 70 A
Softening Point	60.0 - 70.0 °C	140 - 158 °F	MQSA 70 A

Descriptive Properties	Value	Comments
Crystallization rate (minutes)	Very high	MQSA 12 A
Thermoplasticity	High	MQSA 68 A

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