

Lubrizol Advanced Materials PEARLBOND® 151 Linear Thermoplastic Polyurethane (discontinued **)

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

PEARLBOND® 125/H is polycaprolactone-based thermoplastic polyurethane, supplied in form of colourless or slightly yellowish, translucent pellets, combining a low hardness with excellent low-temperature flexibility. Applications: PEARLBOND® 151 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-151-Linear-Thermoplastic-Polyurethane-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	DIN 53.479
Brookfield Viscosity	100 - 400 cP	100 - 400 cP	RVT (15% in MEK); MQSA 40 A
Melt Flow	15 - 25 g/10 min @Load 2.16 kg, Temperature 190 °C	15 - 25 g/10 min @Load 4.76 lb, Temperature 374 °F	DIN 53.735

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	DIN 53.505
Tensile Strength, Yield	20.0 MPa	2900 psi	DIN 53.504
Elongation at Break	750 %	750 %	DIN 53.504

Thermal Properties	Metric	English	Comments
Melting Point	140 - 145 °C	284 - 293 °F	MQSA 70 A
Softening Point	115 - 120 °C	239 - 248 °F	MQSA 70 A

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