

## Lubrizol Advanced Materials PEARLBOND® 110 Linear Thermoplastic Polyurethane (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyurethane, TP

### Material Notes:

PEARLBOND® 110 is a linear, aromatic polyurethane, supplied in form of white slightly yellowish pellets, which combines a high crystallization rate with a low thermoplasticity level. Applications: PEARLBOND® 110 is designed for the production of textile coatings for making shoe-stiffeners (toe puffs & counters), by extrusion process.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lubrizol-Advanced-Materials-PEARLBOND-110-Linear-Thermoplastic-Polyurethane-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Lubrizol-Advanced-Materials-PEARLBOND-110-Linear-Thermoplastic-Polyurethane-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in <sup>3</sup>	DIN 53.479
Brookfield Viscosity	6000 - 12000 cP	6000 - 12000 cP	RVT (15% in MEK); MQSA 40 A
Melt Flow	15 - 25 g/10 min @Load 2.16 kg, Temperature 170 °C	15 - 25 g/10 min @Load 4.76 lb, Temperature 338 °F	DIN 53.735

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	93	93	DIN 53.505
Hardness, Shore D	43	43	DIN 53.505

Thermal Properties	Metric	English	Comments
Melting Point	160 - 180 °C	320 - 356 °F	MQSA 70 A
Softening Point	90.0 - 100 °C	194 - 212 °F	MQSA 70 A

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

## Contact Songhan Plastic Technology Co.,Ltd.

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