

## Lubrizol Advanced Materials Pearlbond® D183 Thermoplastic Polyurethane (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyurethane, TP

### Material Notes:

The Pearlbond® grades are aromatic crystalline TPUs used for the production of heat activated shoe counters and toe puffs, and orthopedic products. The Pearlbond® grades are supplied in pellet form and can be applied by extrusion process (T-die) or sintering (in such case they must be previously cryogenically ground) Properties of Pearlbond 118: Very high crystallization rate. Low melting range. Medium activation temperature. Medium hardness. Very high melt viscosity.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lubrizol-Advanced-Materials-Pearlbond-D183-Thermoplastic-Polyurethane-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Lubrizol-Advanced-Materials-Pearlbond-D183-Thermoplastic-Polyurethane-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Melt Flow	60 - 100 g/10 min @Load 2.16 kg, Temperature 170 °C	60 - 100 g/10 min @Load 4.76 lb, Temperature 338 °F	DDIN 53.735

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	DIN 53.505

Thermal Properties	Metric	English	Comments
Melting Point	65.0 - 71.0 °C	149 - 160 °F	Kofler; MQSA 70 A
Softening Point	60.0 - 70.0 °C	140 - 158 °F	Kofler; MQSA 70 A

Descriptive Properties	Value	Comments
Crystallization Rate	14 - 18 min.	MQSA 12 B
Thermoplasticity Range	High	MQSA 68 A

## Contact Songhan Plastic Technology Co.,Ltd.

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