

## Lubrizol Advanced Materials Pearlcoat® 125KW Thermoplastic Polyurethane Elastomer (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyester Grade

### Material Notes:

Pearlcoat® D125KW is a polyester-based aromatic TPU, supplied in form of white-colored pellets, combining hardness with excellent low-temperature flexibility. Applications: Pearlcoat® D125KW is used to melt coatings on textile substrates for conveyor belts, obtained by sintering (in this case the product is previously ground, so as to be in powder form). For optimum results, previous drying of the product for 2 hours at 90 - 100°C is advisable, in a hot air circulatory, vacuum or desiccant-air dryer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lubrizol-Advanced-Materials-Pearlcoat-125KW-Thermoplastic-Polyurethane-Elastomer-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Lubrizol-Advanced-Materials-Pearlcoat-125KW-Thermoplastic-Polyurethane-Elastomer-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	DIN 53.479

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	DIN 53.505
Tensile Strength	25.0 MPa	3630 psi	DIN 53.504
Tensile Strength, Yield	7.50 MPa	1090 psi	DIN 53.504
	@Strain 100 %	@Strain 100 %	
Elongation at Break	11.0 MPa	1600 psi	DIN 53.504
	@Strain 300 %	@Strain 300 %	
Abrasion	40	40	mm<sup>3</sup> Loss; DIN 53.516
Compression Set	40 %	40 %	DIN 53.517
	@Temperature 23.0 °C, Time 252000 sec	@Temperature 73.4 °F, Time 70.0 hour	
Compression Set	80 %	80 %	DIN 53.517
	@Temperature 70.0 °C, Time 86400 sec	@Temperature 158 °F, Time 24.0 hour	

Thermal Properties	Metric	English	Comments
Melting Point	140 - 150 °C	284 - 302 °F	Melt Range for MFI=10; MQSA 111
Glass Transition Temp, Tg	-28.0 °C	-18.4 °F	(DSC, 10°C/min); DIN 51.007

Descriptive Properties	Value	Comments
Color	white	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China