

Lubrizol Advanced Materials PEARLCOAT® Activa D126K BL Thermoplastic Polyurethane Elastomer (discontinued **)

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

Material Notes:

PEARLCOAT® Activa D126K BL is a standard polyester based TPU, supplied in form of translucent, black colored pellets, combining hardness with excellent low-temperature flexibility. PEARLCOAT® Activa D126K BL is used in 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 during 2 hours at 194-212° F is advisable, in a hot air circulatory, vacuum or desiccant-air dryer. All information provided by Merquinsa

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Advanced-Materials-PEARLCOAT-Activa-D126K-BL-Thermoplastic-Polyurethane-Elastomer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ASTM D792
Melt Flow	10 g/10 min @Load 21.6 kg	10 g/10 min @Load 47.6 lb	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	94	94	ASTM D2240
Tensile Strength, Yield	35.06 MPa	5085 psi	ASTM D412
Elongation at Break	450 %	450 %	ASTM D412
100% Modulus	0.0170 GPa	2.47 ksi	ASTM D412
300% Modulus	0.02905 GPa	4.214 ksi	ASTM D412
Abrasion	50	50	loss (mm ³); DIN 53.516

Thermal Properties	Metric	English	Comments
Melting Point	154 - 166 °C	310 - 330 °F	MQSA 111
Glass Transition Temp, Tg	-22.8 °C	-9.00 °F	DSC, 10°C/min; DIN 51.007

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