

Lubrizol Advanced Materials Pearlthane® MB-9005 Thermoplastic Polyurethane Elastomer

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Pearlthane® MB-9005 is a TPU-based color masterbatch, supplied in the form of homogenously black colored pellets. It is specially intended for coloring TPUs (either polyester or polyether-based), for extrusion, injection molding or calendering processes. Applications: Pearlthane MB-9005 can be mixed with any items of Merquinsa's Pearlthane or Pearlcoat lines (either polyester or polyether-based) intended for applications obtained by extrusion, injection molding or calendering. A 2% usage level (on TPU, by weight) is recommended. Higher levels can be considered, depending on the requirements of the end-product. A good color consistency requires an accurate dosing and good distribution in the TPU.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Advanced-Materials-Pearlthane-MB-9005-Thermoplastic-Polyurethane-Elastomer.php

Physical Properties	Metric	English	Comments
Apparent Bulk Density	0.700 g/cc	0.0253 lb/in ³	ASTM D-1875

Component Elements Properties	Metric	English	Comments
Carbon, C	40 %	40 %	

Processing Properties	Metric	English	Comments
Processing Temperature	<= 240 Â°C	<= 464 Â°F	
Drying Temperature	100 - 110 Â°C @Time 3600 - 7200 sec	212 - 230 Â°F @Time 1.00 - 2.00 hour	In hot air circulatory, vacuum, or desiccant-air dryer

Descriptive Properties	Value	Comments
Colour Index n0	RAL 9005	
Lightfastness	8	(1-8) Scale of blue tones; DIN 53 389

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