

Lubrizol Advanced Materials Pearlthane® D91F65D Thermoplastic Polyurethane Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane TPE , Polyurethane, TP

Material Notes:

PEARLTHANE® D91F65D is an aliphatic TPU supplied in colourless natural pellets. In addition to typical TPU properties like outstanding abrasion loss, PEARLTHANE® D91F65D offers excellent colour stability upon weather exposure. This product provides high quality film and good transparency. It is especially designed for high performance extrusion and film processes. APPLICATIONS: PEARLTHANE® D91F65D is especially recommended for extrusion applications for exterior automotive parts and a variety of high performance technical parts where weather resistance and transparency are required. Information provided by Merquinsa

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Advanced-Materials-Pearlthane-D91F65D-Thermoplastic-Polyurethane-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	ASTM D792
Melt Flow	10 g/10 min	10 g/10 min	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	
Tensile Strength, Yield	30.00 MPa	4351 psi	ASTM D412
Elongation at Break	372 %	372 %	ASTM D412
100% Modulus	0.01600 GPa	2.320 ksi	ASTM D412
300% Modulus	0.0250 GPa	3.63 ksi	ASTM D412
Abrasion	40	40	[mm ³]; DIN 53.516

Thermal Properties	Metric	English	Comments
Melting Point	140 - 150 Å°C	284 - 302 Å°F	MQSA 114

Processing Properties	Metric	English	Comments
Feed Temperature	155 Å°C	311 Å°F	
Nozzle Temperature	170 Å°C	338 Å°F	
Zone 1	170 - 180 Å°C	338 - 356 Å°F	
Zone 2	180 - 190 Å°C	356 - 374 Å°F	
Zone 3	190 - 200 Å°C	374 - 392 Å°F	

Processing Properties	Metric	English	Comments
Die Temperature	165 - 175 Â°C	329 - 347 Â°F	
Mold Temperature	35.0 Â°C	95.0 Â°F	
Moisture Content	<= 0.10 %	<= 0.10 %	MQSA 44

Descriptive Properties	Value	Comments
Compression Zone	320Â°C	
Metering Zone	320Â°C	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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