

Lubrizol Advanced Materials PEARLTHANE® 12K92A Thermoplastic Polyurethane Elastomer (discontinued **)

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

Material Notes:

PEARLTHANE® 12K92A is a standard polyester-based TPU, supplied in form of translucent, colourless or slightly yellowish pellets, combining hardness with excellent mechanical properties. It can be extruded. PEARLTHANE® 12K92A is used for the extrusion of films in general and especially adhesive films, either flat or blown films. All information provided by Merquinsa

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Advanced-Materials-PEARLTHANE-12K92A-Thermoplastic-Polyurethane-Elastomer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 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	35.06 MPa	5085 psi	ASTM D412
Elongation at Break	500 %	500 %	ASTM D412
100% Modulus	0.01100 GPa	1.595 ksi	ASTM D412
300% Modulus	0.0220 GPa	3.19 ksi	ASTM D412
Tear Strength	120 kN/m	685 pli	ASTM D624 (Die C)
Abrasion	25	25	loss (mm ³); DIN 53.516

Thermal Properties	Metric	English	Comments
Melting Point	165 - 175 °C	329 - 347 °F	MQSA 111
Glass Transition Temp, Tg	-13.9 °C	7.00 °F	DSC, 10°C/min; DIN 51.007

Processing Properties	Metric	English	Comments
Zone 1	150 - 180 °C	302 - 356 °F	
Zone 2	160 - 190 °C	320 - 374 °F	
Zone 3	170 - 200 °C	338 - 392 °F	

Zone 4 Processing Properties	175 - 205 °C Metric	347 - 401 °F English	Comments
Die Temperature	175 - 200 °C	347 - 392 °F	
Moisture Content	<= 0.10 %	<= 0.10 %	MQSA 44

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