

Lubrizol Advanced Materials Pearlthane® D16N60D Thermoplastic Polyurethane Elastomer

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

Material Notes:

Type : Pearlthane® 16N60D is a polyether-based thermoplastic polyurethane. Main Application : Injection Moulding
Special Features : Combining high hardness with excellent mechanical properties and good hydrolysis and microbial resistance. Information provided by Merquinsa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Advanced-Materials-Pearlthane-D16N60D-Thermoplastic-Polyurethane-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ISO 2781

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ISO 868
Tensile Strength, Yield	40.00 MPa	5802 psi	ISO 527-2/5A/500
Elongation at Break	400 %	400 %	ISO 527-2/5A/500
50% Modulus	0.0140 GPa	2.03 ksi	ISO 527-2/5A/500
100% Modulus	0.0190 GPa	2.76 ksi	ISO 527-2/5A/500
300% Modulus	0.0340 GPa	4.93 ksi	ISO 527-2/5A/500
Tear Strength	190 kN/m	1080 pli	ISO 34-1B

Thermal Properties	Metric	English	Comments
Vicat Softening Point	110 Â°C	230 Â°F	ISO 306

Processing Properties	Metric	English	Comments
Feed Temperature	40.0 Â°C	104 Â°F	
Nozzle Temperature	210 Â°C	410 Â°F	
Zone 1	205 Â°C	401 Â°F	
Zone 2	210 Â°C	410 Â°F	
Zone 3	215 Â°C	419 Â°F	
Zone 4	215 Â°C	419 Â°F	

Processing Properties	3.00 hour Metric	3.00 hour English	Comments
	@Temperature 100 Â°C	@Temperature 212 Â°F	

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