

Huntsman AVALON® 90 AE Thermoplastic Polyurethane

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

Material Notes:

Performance Features: AVALON® injection molding products are trusted worldwide to deliver: Outstanding flex performance Excellent slip resistance Perfect surface definition Transparency and translucency Oil resistance Fast cycle times Outstanding abrasion and scratch resistance Perfect color match with master batches Rubber-like look and feel Excellent bonding. Information provided by Alliance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Huntsman-AVALON-90-AE-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ISO 2781

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	ISO 868
Hardness, Shore D	44	44	ISO 868
Tensile Strength at Break	30.0 MPa	4350 psi	ISO 37
Elongation at Break	450 %	450 %	ISO 37
100% Modulus	0.00700 GPa	1.02 ksi	ISO 37
300% Modulus	0.0120 GPa	1.74 ksi	ISO 37
Tear Strength	105 kN/m	599 pli	ISO 34B
Abrasion	35	35	mm ³ ; ISO 4649

Descriptive Properties	Value	Comments
Ross Flex	-10°C, BS 5131	

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