

Huntsman AVALON® 65 AK-ESD Thermoplastic Polyurethane

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

Material Notes:

AVALON® ESD range are soft TPUs that deliver the improved bonding strength and mechanical properties required to produce high-quality footwear on roundtable machines – specifically safety shoes that must demonstrate anti-static (ESD) properties. The AVALON® ESD products combine softness with flexural strength. The result is shoes and boots that are comfortable yet hard wearing enough to withstand challenging conditions. 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 masterbatches 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-65-AK-ESD-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	ISO 2781

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	ISO 868
Tensile Strength at Break	30.0 MPa	4350 psi	ISO 37
Elongation at Break	800 %	800 %	ISO 37
100% Modulus	0.00250 GPa	0.363 ksi	ISO 37
300% Modulus	0.00500 GPa	0.725 ksi	ISO 37
Tear Strength	40.0 kN/m	228 pli	ISO 34B
Abrasion	100	100	mm ³ ; ISO 4649

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+8 ohm	1.00e+8 ohm	

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

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