

ELASTO UK Dryflex® 660450S SEBS Based Material, Semi-Filled Qualities, 45A Hardness, Natural

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

Material Notes:

The 660-series is recommended when the properties of the produced detail requires the advantages of the 500-series in combination with the 600-series. A semi-filled material can therefore combine the advantages of the other two series. The material has good flow and mechanical properties as well as reasonable scratch resistance. Information from Vita Thermoplastic Polymers (VTP). Vita Thermoplastic Polymers was acquired by HEXPOL and is now ELASTO

Order this product through the following link:

http://www.lookpolymers.com/polymer_ELASTO-UK-Dryflex-660450S-SEBS-Based-Material-Semi-Filled-Qualities-45A-Hardness-Natural.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Linear Mold Shrinkage	0.0080 - 0.020 cm/cm	0.0080 - 0.020 in/in	
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 190 °C	5.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45 @Thickness 4.00 mm	45 @Thickness 0.157 in	ASTM D2240
Tensile Strength at Break	6.00 MPa	870 psi	ASTM D638
Elongation at Break	>= 600 %	>= 600 %	ASTM D638
100% Modulus	0.00100 GPa	0.145 ksi	ASTM D638
300% Modulus	0.00200 GPa	0.290 ksi	ASTM D638
Tear Strength	15.0 kN/m	85.6 pli	ASTM D624
Compression Set	13 %	13 %	at 23°C, 72 hrs; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-50.0 °C	-58.0 °F	

Processing Properties	Metric	English	Comments
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Processing Temperature Processing Properties	180 - 210 °C Metric	356 - 410 °F English	Comments
Descriptive Properties	Value	Comments	
Bonding to PP	Excellent		
Chemical Resistance	Good	Excluding organic solvents, aromatic and vegetable oils	
Color	Natural		
Weather Resistance	Excellent	Air ageing	

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