

ELASTO UK Dryflex® 600450S SEBS Based Material, Filled Qualities, 45A Hardness, Natural

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

Material Notes:

The most significant features of the 600-series are the improved heat stability, the sound reduction and that the material enables an easy and secure pigmenting for the customer. A filled material reduced that stickiness and sink marks on thick details but has limited 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-600450S-SEBS-Based-Material-Filled-Qualities-45A-Hardness-Natural.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	ASTM D792
Linear Mold Shrinkage	0.0080 - 0.020 cm/cm	0.0080 - 0.020 in/in	
Melt Flow	15 g/10 min @Load 5.00 kg, Temperature 190 °C	15 g/10 min @Load 11.0 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	18.0 kN/m	103 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
Processing Temperature	180 - 210 °C	356 - 410 °F	

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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