

ELASTO UK Dryflex® 602800S SEBS Based Material, Filled Qualities, 80A Hardness, Black

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-602800S-SEBS-Based-Material-Filled-Qualities-80A-Hardness-Black.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792
Linear Mold Shrinkage	0.0080 - 0.020 cm/cm	0.0080 - 0.020 in/in	
Melt Flow	10 g/10 min @Load 5.00 kg, Temperature 190 °C	10 g/10 min @Load 11.0 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80 @Thickness 4.00 mm	80 @Thickness 0.157 in	ASTM D2240
Tensile Strength at Break	9.00 MPa	1310 psi	ASTM D638
Elongation at Break	>= 600 %	>= 600 %	ASTM D638
100% Modulus	0.00400 GPa	0.580 ksi	ASTM D638
300% Modulus	0.00500 GPa	0.725 ksi	ASTM D638
Tear Strength	38.0 kN/m	217 pli	ASTM D624
Compression Set	27 %	27 %	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	Black	
Weather Resistance	Excellent	Air ageing

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