

ELASTO UK Dryflex® 420501S SBS Based Material, 50D Hardness, Natural

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

Material Notes:

The 400S-series is a good alternative for indoor applications and disposable articles that do not have high requirements for ageing and heat resistance. The raw materials are specially selected for a fast and stable manufacturing process. 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-420501S-SBS-Based-Material-50D-Hardness-Natural.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Linear Mold Shrinkage	0.0080 - 0.020 cm/cm	0.0080 - 0.020 in/in	
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 190 °C	4.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50 @Thickness 4.00 mm	50 @Thickness 0.157 in	ASTM D2240
Tensile Strength at Break	13.0 MPa	1890 psi	ASTM D638
Elongation at Break	>= 400 %	>= 400 %	ASTM D638
100% Modulus	0.0120 GPa	1.74 ksi	ASTM D638
300% Modulus	0.0120 GPa	1.74 ksi	ASTM D638
Tear Strength	105 kN/m	599 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	75.0 °C	167 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	170 - 210 °C	338 - 410 °F	

Descriptive Properties	Value	Comments
Bonding to PP	Excellent	

Descriptive Properties	Value	Comments
		Excluding organic solvents, aromatic and vegetable oils
Color	Natural	
Weather Resistance	Moderate	Air ageing

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