

Elastocon TPE Technologies Elastocon® STK56PA-B Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Elastocon® STK56PA-B black thermoplastic elastomer has been developed for applications that require soft rubber-like properties and a good surface finish. Elastocon® STK56PA-B is well suited for consumer goods and industrial applications requiring non-slip/soft touch ergonomics, sound and vibration dampening, improved impact resistance, and U.V. stability. Elastocon® STK56PA-B can be overmolded to nylon. Information provided by Elastocon TPE Technologies, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Elastocon-TPE-Technologies-Elastocon-STK56PA-B-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.015 - 0.025 cm/cm	0.015 - 0.025 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	ASTM D2240
Tensile Strength	5.60 MPa	812 psi	ASTM D412
Elongation at Break	192 %	192 %	ASTM D412
100% Modulus	0.00420 GPa	0.609 ksi	ASTM D412

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	249 - 260 °C	480 - 500 °F	
Front Barrel Temperature	266 - 277 °C	510 - 530 °F	
Nozzle Temperature	277 - 285 °C	530 - 545 °F	
Mold Temperature	82.2 - 104 °C	180 - 220 °F	
Back Pressure	0.345 - 0.689 MPa	50.0 - 100 psi	

Descriptive Properties	Value	Comments
Injection Rate	Fast	

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