

Elastocon TPE Technologies Elastocon® STK55PA Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Elastocon® STK55PA thermoplastic elastomer has been developed for applications that require soft rubber-like properties and a good surface finish. Elastocon® STK55PA 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® STK55PA can be overmolded to nylon. Information provided by Elastocon® TPE Technologies

Order this product through the following link:

http://www.lookpolymers.com/polymer_Elastocon-TPE-Technologies-Elastocon-STK55PA-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	53	53	ASTM D2240
Tensile Strength, Yield	4.56 MPa	661 psi	ASTM D412
Elongation at Break	333 %	333 %	ASTM D412
100% Modulus	0.00270 GPa	0.392 ksi	ASTM D412

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	250 - 260 °C	482 - 500 °F	
Front Barrel Temperature	265 - 277 °C	509 - 531 °F	
Nozzle Temperature	277 - 285 °C	531 - 545 °F	
Mold Temperature	82.0 - 104 °C	180 - 219 °F	
Back Pressure	0.345 - 0.689 MPa	50.0 - 99.9 psi	

Descriptive Properties	Value	Comments
Injection Velocity (mm/sec)	Fast	

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