

## Elastocon TPE Technologies Elastocon® STK40 Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

### Material Notes:

Elastocon® STK40 thermoplastic elastomer has been developed for applications that require ultra soft rubber-like properties and a good surface finish. Elastocon® STK40 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® STK40 can be overmolded to PC, ABS, PC/ABS, and copolyester. Information provided by Elastocon® TPE Technologies

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Elastocon-TPE-Technologies-Elastocon-STK40-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_Elastocon-TPE-Technologies-Elastocon-STK40-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.960 g/cc	0.960 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	40	40	ASTM D2240
Tensile Strength, Yield	3.56 MPa	516 psi	ASTM D412
Elongation at Break	522 %	522 %	ASTM D412
100% Modulus	0.00112 GPa	0.162 ksi	ASTM D412

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	210 - 216 °C	410 - 421 °F	
Front Barrel Temperature	216 - 266 °C	421 - 511 °F	
Nozzle Temperature	227 - 277 °C	441 - 531 °F	
Mold Temperature	27.0 - 49.0 °C	80.6 - 120 °F	
Injection Velocity	25.0 - 127 mm/sec	0.984 - 5.00 in/sec	
Back Pressure	0.520 - 1.21 MPa	75.4 - 175 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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