

Elastocon® STK50

Thermoplastic Elastomer

Elastocon TPE Technologies

Message:

Elastocon® STK50 thermoplastic elastomer has been developed for applications that require ultra soft rubber-like properties and a good surface finish. Elastocon® STK50 is FDA compliant and 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® STK50 can be overmolded to PC, ABS, PC/ABS, Acrylic, and PS. Elastocon® STK50 is supplied as ready to use pellets in 50 lb. bag quantities.

General Information			
Features	Low smoothness		
	Shock absorption		
	Noise reduction		
	Impact resistance, good		
	Good UV resistance		
	Excellent appearance		
Uses	Industrial application		
	Consumer goods application field		
Agency Ratings	FDA not rated		
Forms	Particle		
Processing Method	Blow molding		
	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	45		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.40	MPa	ASTM D412
Tensile Strength	4.50	MPa	ASTM D412
Tensile Elongation (Break)	540	%	ASTM D412
Tear Strength	18.4	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Rear Temperature	210 - 216	°C	
Middle Temperature	216 - 266	°C	
Front Temperature	227 - 277	°C	
Mold Temperature	27 - 49	°C	
Back Pressure	0.517 - 1.21	MPa	

Injection instructions

Injection Rate: 1-5 in/secElastocon® STK50 thermoplastic elastomer compound does not require drying.

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Recommended distributors for this material

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