Elastocon® STK60

Thermoplastic Elastomer

Elastocon TPE Technologies

Message:

Elastocon® STK60 thermoplastic elastomer has been developed for applications that require ultra soft rubber-like properties and a good surface finish. Elastocon® STK60 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® STK60 can be overmolded to polycarbonate, ABS, PC/ABS, Acrylic, HIPS, and various grades of nylon 6 and 6/6.

General Information	
Features	Shock absorption
	Noise reduction
	Impact resistance, good
	Good UV resistance
	Soft
	Excellent appearance
Uses	overmolding
	Industrial application
	Consumer goods application field
Forms	Particle
Processing Method	Blow molding
	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm³	ASTM D792
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	64		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	2.04	MPa	ASTM D412
Tensile Strength (Yield)	5.37	MPa	ASTM D412
Tensile Elongation (Break)	570	%	ASTM D412
Injection	**Nominal Value**	**Unit**	
Rear Temperature	210 - 216	°C	
Front Temperature	216 - 266	°C	
Nozzle Temperature	227 - 277	°C	
Mold Temperature	27.0 - 49.0	°C	
Back Pressure	0.520 - 1.21	MPa	
Injection instructions			

Elastocon® thermoplastic elastomers are shear dependent and have been formulated to process on conventional thermoplastic equipment for injection molding, extrusion or blow molding. Our tests have shown that overmolding onto a non-gloss, matte surface finish will help optimize overmold adhesion to the substrate. Be sure to incorporate mechanical interlocks and 1:1 through holes whenever possible when designing two shot components. Feathered edges should always be avoided to ensure adequate and consistant shut off against the substrate, while also eliminating exposed tapered edges that can be subject to adhesive failure.Injection Rate: 1 to 5 in/sec

Recommended distributors for this material

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