



# STK60B

Elastocon® STK60B black thermoplastic elastomer has been developed for applications that require ultra soft rubber-like properties and a good surface finish. Elastocon® STK60B 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® STK60B can be overmolded to polycarbonate, ABS, PC/ABS, Acrylic, PS, and various grades of polyamide/nylon.

Elastocon® STK60B is supplied as ready to use pellets in 50 lb. bag quantities.

Typical Physical Properties			
Property	Referenced ASTM Test Method	Test Unit	Typical Value
Hardness	ASTM D2240	Shore A	68
Specific Gravity	ASTM D792	g/cc	.93
Tensile Properties	ASTM D412		
Tensile Strength	ASTM D412	MPa (psi)	4.6 (660)
100% Modulus	ASTM D412	MPa (psi)	2.0 (291)
Elongation	ASTM D412	%	355
Tear Strength	ASTM D624	pli	138

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For additional technical, sales, and order assistance:

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## **Design & Processing**

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 consistent shut off against the substrate, while also eliminating exposed tapered edges that can be subject to adhesive failure.

<b>Suggested Processing Conditions</b>		
<b>Barrel Temperatures</b>	<b>English</b>	<b>SI</b>
Rear	410-420F	210-216C
Front	420-510F	216-266C
Nozzle	440-530F	227-277C
<b>Mold Temperature</b>	80F-120F	27-49C
<b>Back Pressure</b>	75-175 psi	.52-1.21 MPa
<b>Injection Rate</b>	1-5 in/sec	25-127 mm/sec

**Elastocon STK60B thermoplastic elastomer compound does not require drying.**

Elastocon® thermoplastic elastomers are not compatible with flexible PVC and should not be blended with or used in an application where direct contact is intended.

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Rev: 2015