

AuroraFlex™ STK60

Aurora Material Solutions, LLC - *Thermoplastic Elastomer*

General Information

Product Description

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

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• UV Stabilizer		
Features	• Good Impact Resistance	• Soft	• UV Stabilized
	• Good Surface Finish	• Sound Damping	• Vibration Damping
Uses	• Consumer Applications	• Industrial Applications	• Overmolding
Agency Ratings	• FDA		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.922		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	363	psi	ASTM D412
Tensile Strength	754	psi	ASTM D412
Tensile Elongation (Break)	390	%	ASTM D412
Tear Strength	145	lbf/in	ASTM D624
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	68		ASTM D2240

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	410 to 421	°F
Front Temperature	421 to 511	°F
Nozzle Temperature	441 to 531	°F
Mold Temperature	81 to 120	°F
Back Pressure	75.4 to 175	psi

Notes

¹ Typical properties: these are not to be construed as specifications.

