Elastocon® STK70

Thermoplastic Elastomer

Elastocon TPE Technologies

Message:

Elastocon® STK70 thermoplastic elastomer has been developed for applications that require ultra soft rubber-like properties and a good surface finish. Elastocon® STK70 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® STK70 can be overmolded to polycarbonate, ABS, PC/ABS, Acrylic, HIPS, and various grades of nylon 6 and 6/6.

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) 67 Unit Test Method Durometer Hardness (Shore A) 67 ASTM D2240 Elastomers Nominal Value Unit Test Method Test Method Durometer Hardness (Shore A) 67 ASTM D4240 Elastomers Nominal Value Unit Test Method Test Method Unit Test Method Test Method Unit Test Method Unit Test Method Tensile Stress (100% Strain) 1.80 MPa ASTM D412 Tensile Strength (vield) 8.30 MPa ASTM D412 Tensile Elongation (Break) 540 % ASTM D412 Tensile Elongation (Break) 640 * ASTM D412 Tensile Elongation (Break) 640 * ASTM D412 Tensile Elongation (Break) 640 * ASTM D412 Ten	General Information			
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Back Pressure 0.520 - 1.21 MPa	Nozzle Temperature	227 - 277	°C	
	Mold Temperature	27.0 - 49.0	°C	
Injection instructions	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

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