

Elastocon® 9050B

Thermoplastic Elastomer

Elastocon TPE Technologies

Message:

Elastocon® 9050B is a black thermoplastic elastomer formulated for applications that require high impact resistance and a good surface finish. Elastocon® 9050B is well suited for consumer goods and industrial applications requiring U.V. stability. Elastocon® 9050B can be overmolded to polypropylene.
Elastocon® 9050B is supplied as ready to use pellets in 1000 lb. quantities.

General Information			
Features	Impact resistance, high		
	Good UV resistance		
	Excellent appearance		
Uses	Industrial application		
	Consumer goods application field		
Appearance	Black		
Forms	Particle		
Processing Method	Blow molding		
	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.990	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	10.0	MPa	ASTM D412
Tensile Strength	12.7	MPa	ASTM D412
Tensile Elongation (Break)	540	%	ASTM D412
Tear Strength	76.9	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Rear Temperature	177 - 193	°C	
Front Temperature	182 - 199	°C	
Nozzle Temperature	188 - 204	°C	
Mold Temperature	21 - 38	°C	
Injection Rate	Moderate-Fast		
Back Pressure	0.689 - 1.38	MPa	
Screw Compression Ratio	2.5:1.0 - 3.0:1.0		
Injection instructions			

Elastocon® 9050B thermoplastic elastomer compound does not require drying.

Extrusion	Nominal Value	Unit
Hopper Temperature	79	°C
Cylinder Zone 1 Temp.	191	°C
Cylinder Zone 5 Temp.	232	°C

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