

# Elastocon® 8055BX

Thermoplastic Elastomer

Elastocon TPE Technologies

## Message:

Elastocon® 8055BX is a black high density thermoplastic elastomer formulated for applications that require rubber-like properties and a good surface finish. Elastocon® 8055BX is well suited for consumer goods and industrial applications requiring U.V. stability. Elastocon® 8055BX can be overmolded to polypropylene.

Elastocon® 8055BX is supplied as ready to use pellets in 1000 lb. quantities.

General Information			
Features	High density		
	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	1.54	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	58		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.50	MPa	ASTM D412
Tensile Strength	3.00	MPa	ASTM D412
Tensile Elongation (Break)	540	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	174 - 191	°C	
Front Temperature	179 - 196	°C	
Nozzle Temperature	185 - 204	°C	
Mold Temperature	21 - 38	°C	
Injection Rate	Moderate-Fast		
Back Pressure	0.345 - 0.689	MPa	
Screw Compression Ratio	2.5:1.0 - 3.0:1.0		
Injection instructions			
Elastocon® 8055BX 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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#### Recommended distributors for this material

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