

Elastocon® 8150B

Thermoplastic Elastomer

Elastocon TPE Technologies

Message:

Elastocon® 8150B is a black thermoplastic elastomer formulated for applications that require rubber-like properties and a good surface finish. Elastocon® 8150B is well suited for consumer goods and industrial applications requiring U.V. stability. Elastocon® 8150B can be overmolded to polypropylene.

General Information	
Features	Good UV resistance
	Soft
	Excellent appearance
Uses	overmolding
	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	1.16	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	48		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	2.53	MPa	ASTM D412
Tensile Strength (Yield)	5.25	MPa	ASTM D412
Tensile Elongation (Break)	620	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	174 - 191	°C	
Front Temperature	179 - 196	°C	
Nozzle Temperature	185 - 204	°C	
Mold Temperature	21.1 - 37.8	°C	
Injection Rate	Moderate-Fast		
Back Pressure	0.345 - 0.689	MPa	
Extrusion	Nominal Value	Unit	
Hopper Temperature	< 79.4	°C	
Cylinder Zone 1 Temp.	191 - 232	°C	

Cylinder Zone 2 Temp.	191 - 232	°C
Cylinder Zone 3 Temp.	191 - 232	°C
Cylinder Zone 4 Temp.	191 - 232	°C
Cylinder Zone 5 Temp.	191 - 232	°C
Die Temperature	191 - 232	°C

Extrusion instructions

Compression ratio: 2.5 to 3.0

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