

Elastocon® 2840B

Thermoplastic Elastomer

Elastocon TPE Technologies

Message:

Elastocon® 2840B is a black thermoplastic elastomer compound formulated for applications that require rubber-like properties and high resilience.

Elastocon® 2840B is well suited for consumer goods and industrial applications requiring U.V. stability.

Elastocon® 2840B is supplied as ready to use pellets in 50 lb. quantities.

General Information	
Features	Good UV resistance
	Elastic
Uses	Industrial application
	Consumer goods application field
Appearance	Black
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
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Specific Gravity	0.930	g/cm ³	ASTM D792
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Hardness	Nominal Value	Unit	Test Method
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Durometer Hardness (Shore A)	40		ASTM D2240
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Elastomers	Nominal Value	Unit	Test Method
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Tensile Stress (100% Strain)	1.30	MPa	ASTM D412
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Tensile Strength	7.60	MPa	ASTM D412
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Tensile Elongation (Break)	370	%	ASTM D412
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Tear Strength	17.5	kN/m	ASTM D624
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Injection	Nominal Value	Unit
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Rear Temperature	177	°C
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Middle Temperature	188 - 199	°C
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Front Temperature	193 - 204	°C
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Nozzle Temperature	199 - 204	°C
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Processing (Melt) Temp	199 - 204	°C
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Mold Temperature	38 - 49	°C
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Injection Rate	Slow-Moderate	
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Back Pressure	0.345 - 1.03	MPa
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Injection instructions		
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Elastocon® 2840B thermoplastic elastomer compound does not require drying.

Extrusion	Nominal Value	Unit
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Cylinder Zone 1 Temp.	154 - 160	°C
Cylinder Zone 2 Temp.	160 - 171	°C
Cylinder Zone 3 Temp.	171 - 177	°C
Cylinder Zone 4 Temp.	182 - 188	°C
Cylinder Zone 5 Temp.	177 - 182	°C
Die Temperature	160 - 171	°C

Extrusion instructions

Screw Speed: 75 to 125 RPM

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