

Elastocon® 2845ST

Thermoplastic Elastomer

Elastocon TPE Technologies

Message:

Elastocon® 2845ST is a translucent thermoplastic elastomer compound formulated for applications that require super tough rubber-like properties, high resilience, and high tear strength. Elastocon® 2845ST is well suited for consumer goods and industrial applications requiring U.V. stability.

Elastocon® 2845ST is supplied as ready to use pellets in 50 lb. quantities.

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	45		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.60	MPa	ASTM D412
Tensile Strength	10.8	MPa	ASTM D412
Tensile Elongation (Break)	540	%	ASTM D412
Tear Strength	25.7	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Rear Temperature	177	°C	
Middle Temperature	188 - 199	°C	
Front Temperature	193 - 204	°C	
Nozzle Temperature	199 - 204	°C	
Processing (Melt) Temp	199 - 204	°C	
Mold Temperature	38 - 49	°C	
Injection Rate	Slow-Moderate		
Back Pressure	0.345 - 1.03	MPa	
Injection instructions			

Elastocon® 2845ST thermoplastic elastomer compound does not require drying.

Extrusion	Nominal Value	Unit
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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Recommended distributors for this material

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