

Elastocon® 2865ST

Thermoplastic Elastomer

Elastocon TPE Technologies

Message:

Elastocon® 2865ST is a translucent thermoplastic elastomer compound formulated for applications that require super tough rubber-like properties, high resilience, and high tear strength. Elastocon® 2865ST is well suited for consumer goods and industrial applications requiring U.V. stability. Elastocon 2865ST can be overmolded onto polypropylene.

Elastocon® 2865ST is supplied as ready to use pellets in 50 lb. quantities.

General Information			
Features	Ultra high toughness		
	Good UV resistance		
	Good tear strength		
	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)	65		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	2.40	MPa	ASTM D412
Tensile Strength	11.9	MPa	ASTM D412
Tensile Elongation (Break)	540	%	ASTM D412
Tear Strength	32.2	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® 2865ST 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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