



# 2845ST

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.

<b>Typical Physical Properties</b>			
<i>*Values after plaques conditioned for 30 minutes</i>			
<b>Property</b>	<b>Referenced ASTM Test Method</b>	<b>Test Unit</b>	<b>Typical Value</b>
<b>Hardness</b>	ASTM D2240	Immediate Shore A	<b>45</b>
<b>Specific Gravity</b>	ASTM D792	g/cc	<b>.92</b>
<b>Tensile Properties</b>	ASTM D412		
<b>Tensile Strength</b>	ASTM D412	Mpa (psi)	<b>10.8 (1561)</b>
<b>100% Modulus</b>	ASTM D412	Mpa (psi)	<b>1.6 (234)</b>
<b>Elongation</b>	ASTM D412	%	<b>535</b>
<b>Tear Strength</b>	ASTM D624	pli	<b>147</b>

For additional technical, sales, and order assistance:

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## **Processing**

<b>Suggested Extrusion Processing Conditions</b>		
<b>Barrel Temperatures</b>	<b>English</b>	<b>SI</b>
Zone 1	310-320F	154-160C
Zone 2	320-340F	160-171C
Zone 3	340-350F	171-177C
Zone 4	360-370F	182-188C
Zone 5	350-360F	177-182C
Die	320-340F	160-171C
<b>Screw Speed</b>	75-125 RPM	75-125 RPM

<b>Suggested Injection Molded Processing Conditions</b>		
<b>Barrel Temperatures</b>	<b>English</b>	<b>SI</b>
Rear	350F	177C
Center	370-390F	188-199C
Front	380-400F	193-204C
Nozzle	390-400F	199-204C
Melt	390-400F	199-204C
<b>Mold Temperature</b>	100F-120F	37.8-49C
<b>Back Pressure</b>	50-150 psi	.34-1.03 MPa
<b>Injection Rate</b>	Slow - Moderate	Slow – Moderate

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

Elastocon® concentrates are not compatible with flexible PVC and should not be blended with or used in an application where direct contact is intended.

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