



2840ST

Elastocon® 2840ST is a translucent thermoplastic elastomer compound formulated for applications that require super tough rubber-like properties, high resilience, and high tear strength. Elastocon® 2840ST is well suited for consumer goods and industrial applications requiring U.V. stability.

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

Typical Physical Properties			
<i>*Values after plaques conditioned for 30 minutes</i>			
Property	Referenced ASTM Test Method	Test Unit	Typical Value
Hardness	ASTM D2240	Immediate Shore A	40
Specific Gravity	ASTM D792	g/cc	.9
Tensile Properties	ASTM D412		
Tensile Strength	ASTM D412	Mpa (psi)	5.75 (835)
100% Modulus	ASTM D412	Mpa (psi)	1.08 (157)
Elongation	ASTM D412	%	723
Tear Strength	ASTM D624	pli	148

For additional technical, sales, and order assistance:

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Processing

Suggested Extrusion Processing Conditions		
Barrel Temperatures	English	SI
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
Screw Speed	75-125 RPM	75-125 RPM

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

Elastocon® 2840ST 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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