



# 2840FX

Elastocon® 2840FX is a functionalized translucent thermoplastic elastomer compound formulated for applications that require rubber-like properties and high resilience. Elastocon® 2840FX is well suited for consumer goods and industrial applications requiring U.V. stability. Elastocon 2840FX has been developed for applications requiring print ability and overmolding onto various metals and other non-plastic substrates.

Elastocon® 2840FX 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>40</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>4.5 (651)</b>
<b>100% Modulus</b>	ASTM D412	Mpa (psi)	<b>1.2 (167)</b>
<b>Elongation</b>	ASTM D412	%	<b>319</b>
<b>Tear Strength</b>	ASTM D624	pli	<b>88</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® 2840FX 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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