



# 2890

Elastocon® 2890 is a translucent thermoplastic elastomer that has been developed for applications that require rubber-like properties and high strength impact resistance. Elastocon® 2890 is FDA compliant and well suited for consumer goods and industrial applications. Elastocon® 2890 can be overmolded and/or coextruded onto polypropylene.

Elastocon® 2890 is supplied as ready to use pellets in 50 lb. bag quantities.

Typical Physical Properties			
Property	Referenced ASTM Test Method	Test Unit	Typical Value
Hardness	ASTM D2240	Shore A	92
Specific Gravity	ASTM D792	g/cc	.9
Tensile Properties	ASTM D412		
Tensile Strength	ASTM D412	Mpa (psi)	16.0 (2323)
100% Modulus	ASTM D412	Mpa (psi)	9.3 (1346)
Elongation	ASTM D412	%	539

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® 2890 thermoplastic elastomer compound does not require drying.**

Elastocon® thermoplastic elastomers 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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