



# 2835ST

Elastocon® 2835ST is a translucent thermoplastic elastomer compound formulated for applications that require super tough rubber-like properties and high resilience. Elastocon® 2835ST is well suited for consumer goods and industrial applications requiring U.V. stability.

Elastocon® 2835ST 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>.9</b>
<b>Tensile Properties</b>	ASTM D412		
<b>Tensile Strength</b>	ASTM D412	Mpa (psi)	<b>6.4 (921)</b>
<b>100% Modulus</b>	ASTM D412	Mpa (psi)	<b>1.4 (208)</b>
<b>Elongation</b>	ASTM D412	%	<b>693</b>
<b>Tear Strength</b>	ASTM D624	pli	<b>N/A</b>

---

For additional technical, sales, and order assistance:

Elastocon TPE Technologies  
PO Box 463  
Rochester, IL 62563 USA

Sales and Technical Assistance:

Office +1 217 498 8500  
Fax +1 888 231 8332  
orders@etpe.com  
sales@etpe.com  
techsupport@etpe.com  
www.etpe.com

---

## 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® 2835ST 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.

---

For additional technical, sales, and order assistance:

Elastocon TPE Technologies  
PO Box 463  
Rochester, IL 62563 USA

Sales and Technical Assistance:

Office +1 217 498 8500  
Fax +1 888 231 8332  
orders@etpe.com  
sales@etpe.com  
techsupport@etpe.com  
www.etpe.com

---

**DISCLAIMER OF WARRANTY AND LIABILITY:** Although the information and recommendations set forth herein ("Information") are believed to be correct. Elastocon, Inc., makes no representations or warranties, express or implied, as to the accuracy or completeness thereof, or of merchantability, fitness for a particular purpose, or of any other nature regarding information, or any product, process or equipment of Elastocon, Inc., or of any other manufacturer or supplier mentioned herein. Nothing contained herein is to be construed as a recommendation to use any product, process, equipment or formulation in conflict with any patent. Elastocon, Inc. makes no representation or warranty, express or implied, that the use thereof will not infringe any patent. Persons receiving information must make their own determination as to its suitability to their purposes prior to use. In no event will Elastocon, Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information or the products, processes or equipment to which the Information refers.