



**High Performance Urethane  
For  
“Can’t Fail” Applications**

**POLYURETHANE ST-3396-87**

**POLYMER:** Flame Resistant Polyether Aromatic Polyurethane

**DESCRIPTION:** ST-3396-87 is a 87 shore A polyether polyurethane. ST-3396-87 is designed to be flame resistance. This TPU has met the criteria for UL94 VTM-0 rating. Test results are based on 0.002” thick specimens. Stevens Urethane should be consulted regarding the actual final FR product specifications. \*When mentioning “Flame Resistant” it refers to the use of additives to improve flammability properties, which are measured in small-scale laboratory tests. These tests provide relative burning rates. There is no association with our product performance in actual fire situations. *Like all organic materials*, ST-3396-87 will burn under the right conditions.

**GENERAL PROPERTIES**

	<b>Specifications</b>	<b>Units</b>	<b>Values</b>
<b>Durometer:</b>	<b>D2240</b>		<b>87A</b>
<b>Specific Gravity:</b>	<b>D792</b>		<b>1.19</b>
<b>Thermal Properties:</b>			
Maximum Service Temperature			
-continuous		°F °C	<b>-40° to 200° -40° to 93°</b>
-melting point range		°F °C	<b>320° to 360° 160° to 182°</b>
<b>Tensile Properties:</b>	<b>D638</b>		
Modulus @ 100% strain		<b>psi</b>	<b>900</b>
Modulus @ 300% strain		<b>psi</b>	<b>1500</b>
Modulus @ break		<b>psi</b>	<b>6000</b>
Modulus of elasticity up To 10% strain		<b>Psi</b>	<b>N/A</b>
Elongation @ break		<b>%</b>	<b>550</b>
Set @ break		<b>%</b>	<b>40</b>
<b>Tear Properties:</b>			
Die C	<b>D624</b>	<b>pli</b>	<b>450</b>

All information and recommendations contained herein are based upon data believe to be correct but JPS makes no warranty either expressed or implied, and assumes no responsibility for the accuracy of the data presented.