



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

**STEVENS POLYURETHANE ST-1882-82**

**POLYMER:** Polyether Aromatic Polyurethane

**DESCRIPTION:** ST-1882-82 is an 82 shore A polyether polyurethane. ST-1882-82 is formulated for excellent modulus of elasticity resulting in soft and very pliable handling. Prolonged UV exposure should be avoided.

**GENERAL PROPERTIES**

	<b>Specifications</b>	<b>Units</b>	<b>Values</b>
<b>Durometer:</b>	<b>D2240</b>		<b>82</b>
<b>Specific Gravity:</b>	<b>D792</b>		<b>1.14</b>
<b>Thermal Properties:</b>			
Maximum Service Temperatures,			
-continuous		<b>F</b> <b>C</b>	<b>-65 to 175</b> <b>-54 to 79</b>
-melting point range		<b>F</b> <b>C</b>	<b>284 to 320</b> <b>140 to 160</b>
<b>Tensile Properties:</b>	<b>D638</b>		
Modulus @ 100% strain		psi	<b>1000</b>
Modulus @ 300% strain		psi	<b>1500</b>
Modulus @ break		psi	<b>4000</b>
Modulus of elasticity up to 10% strain		psi	<b>N/A</b>
Elongation @ break		%	<b>350</b>
Set @ break		%	<b>20</b>
<b>Tear Properties:</b>			
Die C	<b>D624</b>	pli	<b>450</b>