



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

**STEVENS POLYURETHANE ST-1522-85**

**POLYMER:** Polyether Aromatic Polyurethane

**DESCRIPTION:** ST-1522-85 is an 85 shore A polyether polyurethane. ST-1522-85 exhibits good sealing properties and fine performance against the effects of fungus attack and high humidity. This TPU also has enhanced UV stability. Grades are available with varying slip performances at various clarity levels.

**GENERAL PROPERTIES**

	<b>Specifications</b>	<b>Units</b>	<b>Values</b>
<b>Durometer:</b>	<b>D2240</b>		<b>85A</b>
<b>Specific Gravity:</b>	<b>D792</b>		<b>1.12</b>
<b>Thermal Properties:</b>			
Maximum Service Temperatures,			
-continuous		<b>F</b> <b>C</b>	<b>-65 to 185</b> <b>-54 to 85</b>
-melting point range		<b>F</b> <b>C</b>	<b>320 to 385</b> <b>160 to 197</b>
<b>Tensile Properties:</b>	<b>D638</b>		
Modulus @ 100% strain		psi	<b>800</b>
Modulus @ 300% strain		psi	<b>1600</b>
Modulus @ break		psi	<b>6500</b>
Modulus of elasticity up to 10% strain		psi	<b>N/A</b>
Elongation @ break		%	<b>500</b>
Set @ break		%	<b>25</b>
<b>Tear Properties:</b>			
Die C	<b>D624</b>	pli	<b>400</b>