



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

**POLYURETHANE ST-2824-90**

**POLYMER:** Polyether Aromatic Polyurethane

**DESCRIPTION:** ST2824-90 is an 90 shore A Polyether Polyurethane. ST2824-90 is formulated for excellent heat release properties. The base polymer has excellent heat resistance as thermoplastic polyurethane film and the high slip of the finish film provides additional release behavior.

**GENERAL PROPERTIES**

	<b>Specifications</b>	<b>Units</b>	<b>Values</b>
<b>Durometer:</b>	<b>D2240</b>		<b>90A</b>
<b>Specific Gravity:</b>	<b>D792</b>		<b>1.14</b>
<b>Thermal Properties:</b>			
Maximum Service Temperature			
-continuous		°F °C	<b>-11° to 225° -23° to 107°</b>
-melting point range		°F °C	<b>345° to 385° 174° to 196°</b>
<b>Tensile Properties:</b>	<b>D638</b>		
Modulus @ 100% strain		<b>psi</b>	<b>1300</b>
Modulus @ 300% strain		<b>psi</b>	<b>3000</b>
Modulus @ break		<b>psi</b>	<b>8000</b>
Modulus of elasticity up To 10% strain		<b>Psi</b>	<b>N/A</b>
Elongation @ break		<b>%</b>	<b>375</b>
Set @ break		<b>%</b>	<b>15</b>
<b>Tear Properties:</b>			
Die C	<b>D624</b>	<b>pli</b>	<b>475</b>

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