



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

**STEVENS POLYURETHANE SS-3119**

**POLYMER:** Polycaprolactone Aliphatic Polyurethane

**DESCRIPTION:** SS-3119 is a caprolactone-based Aliphatic TPU with excellent abrasion resistance and contains a UV package that enhances outdoor weather ability. The material comes on a PET interlayer which gives the material a high gloss finish. Applications include paint protection film (PPF) and wing and rotor blade leading edge protection.

**GENERAL PROPERTIES**

	<b>ASTM</b>	<b>Units</b>	<b>Values</b>
<b>Hardness:</b>	<b>D-2240</b>	-	<b>87 A</b>
<b>Specific Gravity:</b>	<b>D-792</b>	-	<b>1.10</b>
<b>Tensile Properties:</b>	<b>D-638</b>		
Strength @ 100% elongation		<b>psi</b>	<b>1200</b>
Strength @ 300% elongation		<b>psi</b>	<b>5500</b>
Strength @ break		<b>psi</b>	<b>9000</b>
Elongation @ break		<b>%</b>	<b>400</b>
<b>Tear Properties:</b>			
Die C	<b>D-624</b>	<b>pli</b>	<b>575</b>
<b>Optical Properties:</b>			
Gloss @ 60°	<b>D-1003</b>	<b>%</b>	<b>140</b>
Light Transmittance	<b>D-1003</b>	<b>%</b>	<b>94</b>
Haze	<b>D-1003</b>	<b>%</b>	<b>1.0</b>
<b>Yellowness Index:</b>	<b>D-1925</b>	-	<b>0.8</b>

Data is generated based on 0.008” thick film.

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.

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