

**MIRATHANE® S90**

TPU

Miracell Chemicals Co., Ltd.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Modulus at 100% Elongation	<b>12</b>	MPa	ASTM D 412
Modulus at 300% Elongation	<b>20</b>	MPa	ASTM D 412
Shore A Hardness	<b>92</b>	-	ASTM D 2240
Tear Strength	<b>120</b>	kN/m	ASTM D 624
Compression Set , 22 hr @ 158 °F	<b>16</b>	%	ASTM D 395
Tensile Strength	<b>30</b>	MPa	ASTM D 412
Elongation at Break	<b>400</b>	%	ASTM D 412

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Glass Transition Temperature	<b>-42</b>	°C	ASTM E 1356

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1190</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Special Characteristics**

Heat stabilized or stable to heat

**Chemical Resistance**

Hydrolytically Stable, Oil Resistance

**Features**

Thermal Stability

**Regional Availability**

North America, Europe, Asia Pacific