



Starflex 6100

Material Description	<p>Starflex 6000 is a gasket material made from expanded PTFE. Expanded PTFE sheet is a highly compressible, non-stick material made from virgin PTFE resin that has been expanded to create a microstructure of thin, flexible, interconnected nodes and fibrils. This microstructure gives the material its unique properties, including excellent chemical resistance, high tensile strength, and exceptional sealability.</p> <p>Features:</p> <ul style="list-style-type: none"> • Chemical resistance: Expanded PTFE sheet is resistant to a wide range of chemicals, including acids, bases, solvents, and corrosive media. • High tensile strength: Despite its soft and flexible nature, expanded PTFE sheet has high tensile strength and can withstand substantial loads without tearing or breaking. • Excellent sealability: Expanded PTFE sheet can conform to irregular surfaces and create a tight seal, making it ideal for gasketing and sealing applications.
Color	<p>White</p>
Temperature	<p>-268 C to 260 C (- 450F to 500 F)</p>
Pressure	<p>140 kg/cm² (2,030 psi),</p>
Physical Properties	<p><i>For 1.5mm (1/16") thickness</i></p>
<p>Density (ASTM F1315)</p>	<p>0.95 min gm/cm³</p>
<p>Compressibility (ASTM F36)</p>	<p>38% Min</p>
<p>Recovery (ASTM F36)</p>	<p>13% Min</p>
<p>Tensile (ASTM F152)</p>	<p>14 Mpa (2,030 psi)</p>
<p>Creep Relaxation</p>	<p>30%</p>
Design	
<p>m</p>	<p>2</p>
<p>y</p>	<p>2,500 psi</p>
Availability	<p>Size: 60" x 60"</p>
	<p>Thickness: 1/32" to 1/8"</p>



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