

# PRODUCT DATA SHEET

## HYPERION – G TOP SHEETS

GPF Solar has developed a new line of ECTFE top sheet film for use in photovoltaic panel manufacturing. This film is a strong, tough film that is dimensional stable over a broad range of temperature. It has high wear resistance and outstanding flexural and tensile properties. An excellent moisture barrier film is also extremely resistant to UV radiation.

### Product Line

#### Hyperion SS

<b>Property</b>	<b>Value</b>	<b>Unit</b>	<b>Test Method</b>
<b>Color</b>	<b>Clear</b>		
<b>Thickness</b>	<b>50, 100</b>	<b>µm</b>	<b>GPF1001</b>
<b>Density</b>	<b>1.66-1.70</b>	<b>g/cm<sup>3</sup></b>	<b>ASTM D1505</b>
<b>Tm</b>	<b>240-244</b>	<b>°C</b>	<b>ASTM D-3418</b>
<b>Tensile Modulus @ 23°C</b>	<b>1550 MD/1500 TD</b>	<b>MPa</b>	<b>ASTM D882</b>
<b>Stress @ Break @ 23°C</b>	<b>53 MD/50 TD</b>	<b>MPa</b>	<b>ASTM D882</b>
<b>Free Shrink % @ 200°C</b>	<b>4.4 MD/ 0.0 TD</b>	<b>%</b>	<b>30 min. in oven</b>
<b>Surface Resistivity @ 23°C</b>	<b>&gt;10<sup>17</sup></b>	<b>Ohm</b>	<b>ASTM D257</b>