


**(General Purpose Polystyrene) GPPS 818**
**Characteristics**

- Extrusion Grade
- The most state of the art from US NOVA CHEMICAL
- Low Residual Monomer
- Good Heat Resistance
- Mold Dimension Stability
- Good Transparency
- Easy Processing
- High M.W.
- High strength

**Applications**

OPS/PSP sheet applications.

**Physical Properties**

Properties	ASTM method	Test Condition	Unit	Typical Value
Specific Gravity	D542	---	---	1.046
Melt Flow Index	D1238	200°C , 5 kg load	g/10min	1.9
Tensile Strength at Yield	D638	23°C , 1/8" Sample	kg/cm <sup>2</sup>	540
Elongation at Break	D638	23°C , 1/8" Sample	%	2.0
Izod Impact Strength	D256	23°C, A method, notched 1/4"×1/2"×5/2"	kg-cm/cm	1.5
Vicat Softening Temperature	D1525	1 kg load, 3 mm Thick (120 °C/hr )	°C	107
Flammability	UL-94	1/16" Sample	File No. E50263	94HB
Residual SM monomer	Internal	GC	ppm	< 300
Haze	---	2.8mm thick	%	0.5

Note : The data listed represent average values and are believed to be reliable. They are given for information; no guarantee of their accuracy is made.