



## (General Purpose Polystyrene) GPPS 818K

### 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

1. OPS/PSP sheet applications.

### Physical Properties

Properties	ISO method	Test Condition	Unit	Typical Value
Specific Gravity	ISO 1183	---	---	1.04
Melt Flow Index	ISO 1133	200°C, 5kg load	g/cm <sup>3</sup>	2.4
Tensile Strength at Yield	ISO 527	23°C, 50 mm/min	kg/cm <sup>2</sup>	54
Elongation at Break	ISO 527	23°C, 50 mm/min	%	2
Izod Impact Strength	ISO 180/1A	23°C, Izod Notched	kg-cm/cm	1.9
Vicat Softening Temperature	ISO 306	120°C/hr , 1 kg load	°C	105
Heat Distortion Temperature	ISO 75A	Unanneale 1.8MPa load pressure(Edgewise)	°C	95
Flammability	UL-94	1/16" Sample	File No. E50263	94HB
Residual SM monomer	GC	---	ppm	200
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.