

**(General Purpose Polystyrene) GPPS 818**

Characteristics		Applications		
● 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		OPS／PSP sheet applications.		
Physical Properties				
Properties	ASTM method	Test Condition	Unit	Typical Value
Specific Gravity	D542	---	---	1.046
Melt Flow Index	D1238	200℃ ， 5 kg load	g/10min	1.9
Tensile Strength at Yield	D638	23℃ ， 1/8" Sample	kg/cm2	540
Elongation at Break	D638	23℃ ， 1/8" Sample	%	2.0
Izod Impact Strength	D256	23℃,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)	℃	107
Flammability	UL-94	1/16" Sample	File No. E50263	94HB
Residual SM monomer	Internal	GC	ppm	< 300
Haze	---	2.8mm thick	%	0.5

