


(General Purpose Polystyrene) GPPS 818L

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	ISO method	Test Condition	Unit	Typical Value
Specific Gravity	ISO 1183	---	---	1.04
Melt Flow Index	ISO 1133	200℃, 5kg load	g/cm ³	2.4
Tensile Strength at Yield	ISO 527	23℃, 50 mm/min	kg/cm ²	54
Elongation at Break	ISO 527	23℃, 50 mm/min	%	2
Izod Impact Strength	ISO 180/1A	23℃, Izod Notched	kg-cm/cm	1.9
Vicat Softening Temperature	ISO 306	120℃/hr , 1 kg load	℃	105
Heat Distortion Temperature	ISO 75A	Unanneale 1.8MPa load pressure(Edgewise)	℃	95
Flammability	UL-94	1/16” Sample	File No. E50263	94HB
Residual SM monomer	GC	---	ppm	300
Haze	---	2.8mm thick	%	0.5

