

**(General Purpose Polystyrene) GPPS 861F**

Characteristics		Applications		
● Injection Grade ● The most state of the art from US NOVA CHEMICAL ● Low Residual Monomer ● Mold Dimension Stability ● Good Transparency ● Easy Processing		● house hard wares ● TPR compounding ● cassette, toys.		
Physical Properties				
Properties	ASTM method	Test Condition	Unit	Typical Value
Specific Gravity	D542	---	---	1.05
Melt Flow Index	D1238	200℃ , 5 kg load	g/10min	12.0
Tensile Strength at Yield	D638	23℃ , 1/8" Sample	kg/cm2	440
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	1.3
Vicat Softening Temperature	D1525	1 kg load,3 mm Thick (120 ℃ /hr)	℃	97
Flammability	UL-94	1/16" Sample	File No. E50263	94HB
Residual SM monomer	Internal	GC	ppm	< 300
Haze	---	2.8mm thick	%	0.4

