

**(High Flow 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	ISO method	Test Condition	Unit	Typical Value
Specific Gravity	ISO 1183	---	---	1.04
Melt Flow Index	ISO 1133	200°C, 5kg load	g/cm ³	13.0
Tensile Strength at Yield	ISO 527	23°C, 50 mm/min	kg/cm ²	43
Elongation at Break	ISO 527	23°C, 50 mm/min	%	2
Izod Impact Strength	ISO 180/1A	23°C, Izod Notched	kg-cm/cm	1.7
Vicat Softening Temperature	ISO 306	120°C/hr , 1 kg load	°C	95
Heat Distortion Temperature	ISO 75A	Unanneale 1.8MPa load pressure(Edgewise)	°C	82
Flammability	UL-94	1/16" Sample	File No. E50263	94HB
Residual SM monomer	Internal	GC	ppm	< 300
Haze	---	2.8mm thick	%	0.4

