



(General Purpose Polystyrene) GPPS 861N / B

Characteristics	Applications
● Injection Grade ● The most state of the art form US NOVA CHEMICAL ● Low Residual Monomer ● Good Heat Resistance ● Mold Dimension Stability ● Good Transparency ● Easy Processing	● Electrical appliances ● house hard wares ● cassette & cosmetic cases ● lamp decoration ● toys.

Physical Properties

Properties	ASTM method	Test Condition	Unit	Typical Value
Specific Gravity	D542	---	---	1.046
Melt Flow Index	D1238	200°C , 5 kg load	g/10min	7.0
Tensile Strength at Yield	D638	23°C , 1/8" Sample	kg/cm2	450
Elongation at Break	D638	23°C , 1/8" Sample	%	2.0
Izod Impact Strength	D256	23°C, A method, notched 1/4"×1/2"×5/2"	kg-cm/cm	1.4
Vicat Softening Temperature	D1525	1 kg load , 3 mm Thick (120 °C/hr)	°C	100
Flammability	UL-94	1/16" Sample	File No. E50263	94HB
Residual SM monomer	Internal	GC	ppm	< 300
Haze	---	2.8mm thick	%	0.4

