



(Optical Grade Polystyrene) GPPS 808

Characteristics	Applications
• Optical Grade • The Most State of The Art form US NOVA CHEMICAL • Low Residual Monomer • Good Heat Resistance • Mold Dimension Stability • Good Transparency • Easy Processing • Good water resistance	Diffuser of back light module

Physical Properties

Properties	ISO method	Test Condition	Unit	Typical Value
Specific Gravity	ISO 1183	---	---	1.046
Melt Flow Index	ISO 1133	200°C, 5kg load	g/cm ³	1.9
Tensile Strength at Yield	ISO 527	23°C, 50 mm/min	MPa	55
Elongation at Break	ISO 527	23°C, 50 mm/min	%	2
Izod Impact Strength	ISO 180/1A	23°C, Izod Notched	KJ/m ²	2
Vicat Softening Temperature	ISO 306	120°C/hr, 1 kg load	°C	106
Heat Distortion Temperature	ISO 75A	Unannealed 1.8MPa load pressure(Edgewise)	°C	95
Flammability	UL-94	1/16" Sample	File No. E50263	94HB
Residual SM monomer	Internal	GC	ppm	< 300
Haze	---	2.8mm thick	%	0.35
Light Transmission	ISO 13468	2.8mm thick	%	92

