

**(High Impact Polystyrene) HIPS 666**

Characteristics		Applications		
● High Impact Injection Grade ● High Impact Strength ● Low Residual Monomer ● Good Heat Resistance ● Base Color Stability ● Good Transparency ● Easy Processing ● High Flow	PC peripheral appliances, electrical appliances, stationery.			
Physical Properties				
Properties	ASTM method	Test Condition	Unit	Typical Value
Specific Gravity	D542	---	---	1.046
Melt Flow Index	D1238	200℃ , 5 kg load	g/10min	7.0
Tensile Strength at Yield	D638	23℃ , 1/8" Sample	kg/cm²	270
Elongation at Break	D638	23℃ , 1/8" Sample	%	45
Izod Impact Strength	D256	23℃, A method, notched 1/4"×1/2"×5/2"	kg-cm/cm	8
Izod Impact Strength	D256	23℃, A method, notched 1/8"×1/2"×5/2"	kg-cm/cm	9
Vicat Softening Temperature	D1525	1 kg load , 3 mm Thick (120℃/hr)	℃	99
Flammability	UL-94	1/16" Sample	File No. E50263	94HB
Residual SM monomer	---	---	ppm	< 600
Yellow Index (YI)	---	---	---	-3

