



(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	ISO method	Test Condition	Unit	Typical Value
Specific Gravity	ISO 1183	---	---	1.04
Melt Flow Index	ISO 1133	200℃, 5kg load	g/cm³	7.3
Tensile Strength at Yield	ISO 527	23℃, 50 mm/min	kg/cm²	25
Elongation at Break	ISO 527	23℃, 50 mm/min	%	50
Izod Impact Strength	ISO 180/1A	23℃, Izod Notched	kg-cm/cm	8.5
Vicat Softening Temperature	ISO 306	120oC/hr , 1 kg load	℃	97
Heat Distortion Temperature	ISO 75A	Unanneale 1.8MPa load pressure(Edgewise)	℃	85
Flammability	UL-94	1/16” Sample	File No. E50263	94HB
Residual SM monomer	GC	---	ppm	< 600
Yellow Index	---	---	---	-3

