

**(High Impact Polystyrene) HIPS 616**

Characteristics		Applications		
• Super High Impact Extrusion Grade • Super High Impact Strength • Low Residual Monomer • Good Heat Resistance • Base Color Stability • Good Transparency • Easy Processing • High Flow	Sheets, cable reels.			
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	2.5
Tensile Strength at Yield	D638	23℃ , 1/8" Sample	kg/cm²	260
Elongation at Break	D638	23℃ , 1/8" Sample	%	50
Izod Impact Strength	D256	23℃, A method, notched 1/4"×1/2"×5/2"	kg-cm/cm	9
Izod Impact Strength	D256	23℃, A method, notched 1/8"×1/2"×5/2"	kg-cm/cm	14
Vicat Softening Temperature	D1525	1 kg load , 3 mm Thick (120 ℃/hr)	℃	102
Flammability	UL-94	1/16" Sample	File No. E50263	94HB
Residual SM monomer	---	---	ppm	< 800
Yellow Index (YI)	---	---	---	-4

