

**(High Impact Polystyrene) HIPS 616****Characteristics**

- Super High Impact Extrusion Grade
- Super High Impact Strength
- Low Residual Monomer
- Good Heat Resistance
- Base Color Stability
- Good Transparency
- Easy Processing
- High Flow

Applications

Sheets, cable reels.

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	2.5
Tensile Strength at Yield	D638	23°C , 1/8" Sample	kg/cm ²	260
Elongation at Break	D638	23°C , 1/8" Sample	%	50
Izod Impact Strength	D256	23°C, A method, notched 1/4"×1/2"×5/2"	kg-cm/cm	9
Izod Impact Strength	D256	23°C, A method, notched 1/8"×1/2"×5/2"	kg-cm/cm	14
Vicat Softening Temperature	D1525	1 kg load , 3 mm Thick (120 °C/hr)	°C	102
Flammability	UL-94	1/16" Sample	File No. E50263	94HB
Residual SM monomer	---	---	ppm	< 800
Yellow Index (YI)	---	---	---	-4

Note : The data listed represent average values and are believed to be reliable. They are given for information; no guarantee of their accuracy is made.