

# ASCHEM HIPS High Impact Polystyrene

## HIPS 825

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### Description

High impact polystyrene HIPS 825 is an opaque polymer with medium melt flow rate, good tensile and flexural strength properties.

### Applications

It is recommended for parts of household and electronic appliances, containers and similar injection molding applications.

#### Characteristic Properties (Typical Data)\*

Properties	SI Units	Values	Test Methods
<b>Polymer Properties</b>			
Melt Flow Rate (MFR) 200 °C and 5 Kg	g/10 min	10	ASTM D 1238
<b>Mechanical Properties</b>			
<b>Tensile Test</b>			
Tensile Strength	MPa	19	ASTM D 638
Tensile Elongation	%	43	ASTM D 638
Tensile Modulus	MPa	2150	ASTM D 638
<b>Flexural Test</b>			
Flexural Modulus	MPa	1920	ASTM D 790
Flexural Strength	MPa	34	ASTM D 790
Izod Impact Strength, Notched at 23 °C	J/m	120	ASTM D256
<b>Thermal Properties</b>			
<b>Heat Deflection Temperature</b>			
Rate 120 °C/h, 0,45 MPa, Annealed	°C	89	ASTM D 648
<b>Vicat Softening Temperature</b>			
Rate B, 10N	°C	93	ASTM D 1525
Flammability Rating		HB**	UL-94

\*These values are typical data that shouldn't be accepted as specification limits.

\*\* Thickness 1.5 mm, HB75  
Thickness 3.0 mm, HB40

### Disclaimer

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