

# Technical Datasheet

## HIPS3630

### 1) Product Description:

HIPS3630 is high impact polystyrene for the injection molding industry. This grade has been designed to be diluted with crystal polystyrene. The high melt flow index of this grade makes it particularly suited for fast cycling injection molding. HIPS3630 is available in white color.

### 2) Applications:

- ✓ Bathroom accessories
- ✓ Coat hangers
- ✓ Injection molding

### 3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (200 °C, 5kg)	ASTM D-1238	g/10min	15
Styrene Residual Monomer	CLG LABPSG004 (ATOFINA TEST METHOD)	PPM	<500
Vicat softening point (50 °C/hr 1kg)	ASTM D-1525	°C	90
Rockwell Hardness	ASTM D-785		SCALE/L80
Tensile Stress at Yield	ASTM D-638	MPA	28
Tensile Stress at Break	ASTM D-638	MPA	25
Elongation at Break	ASTM D-638	%	40
Tensile Modulus	ASTM D-638	MPA	3470
Izod Impact	ASTM D-256	KJ/M2	3

\*All above mentioned data are typical values and not to be construed as real specifications. Density and shrinkage of this grade are approximately around 1.04 kg/lit & (0.4-0.7)% (ASTM D-955) respectively. All tests are carried out at 23°C, unless otherwise stated.

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