

Technical Datasheet

HIPS6630

1) Product Description:

HIPS6630 is high impact polystyrene for the injection molding industry. This grade has been designed to diluted with crystal polystyrene. The high melt flow index of this grade makes it particularly suited for fact cycling injection molding. HIPS6630 is available in white color.

2) Applications:

✓ General injection molding, computer keyboards, toys spoils.

3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (200 °C, 5kg)	ASTM D-1238	g/10min	13
Styrene Residual Monomer	CLG LABPSG004 (ATOFINA TEST METHOD)	PPM	<500
Vicat softening point (50 °C/hr 1kg)	ASTM D-1525	°C	91
Rockwell Hardness	ASTM D-785	-	SALE/L70
Tensile Stress At Yeild	ASTM D-638	MPA	24
Tensile Stress at Break	ASTM D-638	MPA	24
Elongation at Break	ASTM D-638	%	45
Tensile Modulus	ASTM D-638	MPA	3110
IZOD Impact	ASTM D-256	KJ/M ²	5

*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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