

## Technical Datasheet

### HIPS4240

#### 1) Product Description:

HIPS4240 is very high impact polystyrene for the extrusion industry. This grade has been designed to diluted with crystal polystyrene. The good melt strength of this grade makes it particularly suited for extruded profiles. HIPS4240 is available in white color.

#### 2) Applications:

Darty sheet, cups, trays, egg boxes, general packaging, vending cups, extruded profiles

#### 3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (200 °C, 5kg)	ASTM D-1238	g/10min	3.5
Styrene Residual Monomer	CLG LABPSG004 (ATOFINA TEST METHOD)	PPM	<500
Vicat softening point (50 °C/hr 1kg)	ASTM D-1525	°C	97
Rockwell Hardness	ASTM D-785	-	SALE/L71
Tensile Stress at Yield	ASTM D-638	MPA	29
Tensile Stress at Break	ASTM D-638	MPA	27
Elongation at Break	ASTM D-638	%	45
Tensile Modulus	ASTM D-638	MPA	3110
Izod Impact	ASTM D-256	KJ/M <sup>2</sup>	6

\*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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