

# Technical Datasheet

## HIPS7240WB

### 1) Product Description:

HIPS7240WB is a 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 deep-draw thermoforming.

HIPS7240WB is available in white-blue color. This grade has food contact approval.

### 2) Applications:

- ✓ Darty sheet, cups, trays, egg boxes, general packaging, coextrusion with GPPS at industrial sheets.

### 3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (200 °C, 5kg)	ASTM D-1238	g/10min	4.5
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/R65
Tensile Stress at Yield	ASTM D-638	MPA	23
Tensile Stress at Break	ASTM D-638	MPA	21
Elongation at Break	ASTM D-638	%	60
Tensile Modulus	ASTM D-638	MPA	1950
IZOD Impact	ASTM D-256	KJ/M <sup>2</sup>	11

\*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.

ASTM D-638 ELONGATION AT BREAK % ASTM D-638 60

All tests are carried out at 23°C, unless otherwise stated. If in grade reference the fourth digit is "1"(7241) ,indicates an external lubricants is included.

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