

HIPS7240 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. HIPS7240 is available in white color.

Applications:

darty sheet, cups, trays, egg boxes, general packaging, coextrusion with GPPS at industrial sheets.

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX(200°C-5KG)	g/10min	ASTM D-1238	4.5
STYRENE RESIDUAL MONOMER	PPM	CLG LABPSG004 (ATOFINA TEST METHOD)	<500
VICAT SOFTENING POINT ( 50 °C/hr 1kg)	°C	ASTM D-1525	97
ROCKWELL HARDNESS	-	ASTM D-785	SCALE/R65
TENSILE STRESS AT YEILD	MPA	ASTM D-638	23
TENSILE STRESS AT BREAK	MPA	ASTM D-638	21
ELONGATION AT BREAK	%	ASTM D-638	60
TENSILE MODULUS	MPA	ASTM D-638	1950
IZOD IMPACT	KJ/M2	ASTM D-256	11

\* All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S.(Standard Sales Specifications)

Density and shrinkage of this grade are approximately around 1.04 kg/lit & (0.4-0.7%)(ASTM D-955) respectively.

All test 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.

PROPERTY	UNIT	TEST METHOD	SPECIFICATION RANGE
MELT FLOW INDEX (5KG)	g/10min	ASTM D-1238	3.5-5.5
VICAT SOFTENING POINT ( 50 °C/hr 1kg)	°C	ASTM D-1525	MIN 94
RESIDUAL MONOMER	PPM	ATOCHEM PSG-004	MAX 500
IZOD IMPACT	KJ/M2	ASTM D-256	MIN 8.5