

Technical Datasheet of HIPS 7240

HIPS 7240 is a very high impact polystyrene for the extrusion industry. This grade has been designed to be diluted with crystal polystyrene.

The good melt strength of this grade makes it particularly suited for deep-draw thermoforming. HIPS 7240 is available in white color.

Applications:

Wardrobe sheet, cups, trays, egg boxes, general packaging, co-extrusion with GPPS at industrial sheets, food containers.

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 YIELD	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	ISO180	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 tests are carried out at 23°C, unless otherwise stated.

If in grade reference the fourth digit is "1" (7241), it indicates an external lubricant is included.



 Unit 302, Sheydayee BLD, Sazman AB, Tehranpars

 <https://irplastics.com/en>

 +98-21-77784838

