



SIRJAN GOSTAR CO.

HIPS 7240
HIGH IMPACT POLYSTYRENE

- Product Description

HIPS 7240 are very high impact polystyrene used in extrusion industry. This grade is designated to be diluted with crystal polystyrenes (such as GPPS 1240, 1340 or 1540).

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

- Typical Data:

Property	Unit	Value	Test Method
MFI (200oc/5kg)	g/10 min	4.5	ASTM D 1238
Styrene Residual Monomer	ppm	<500	CLGLABPSG004 (ATOFINA TEST METHOD)
Vicat Softening Point	°C	Min. 94	ASTM D 1525
Rockwell Hardness	-	Scale L65	ASTM D 785
Tensile Strength @ Yield	MPa	21	ASTM D 638
Tensile Strength @ Break	MPa	20	ASTM D 638
Elongation @ Break	%	55	ASTM D 638
Flexural Modulus	MPa	1750	ASTM D 790
Tensile Modulus	MPa	1800	ASTM D 638
Izod Impact	%	Min. 8.5	ISO 180/1A
Water Absorption	%	<0.1	ASTM D 570

Density: 1.04gr/cm³ (app.)

Shrinkage in mould : approximately 0.4-0.7% (ASTM D 955)

All tests are carried out at 23OC ,unless otherwise stated.

The above data are typical laboratory average, intended to serve as guides only.

- Food Contact Processing:

HIPS 7240 is a food contact grade, unless the term “Non-Food Contact is printed on the bags.

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- Applications:

Extrusion: Dirty sheet. Co extrusion with EVOH PE., in dilution with crystal industrial sheets.
Thermoforming: Cups; Trays; Egg boxes; General packaging.
Diluted with crystal for CD inserts, Shoe heels.



- Packing:

This product is packed in 25 Kg PE bags



Note: This Product is food contact in accordance with license No.21/14255 of food and drug administration of I.R. of IRAN. License No. is printed on every bag of the product.

IMPORTANT!

Food contact application of this product has been certified as notified above .however when it is used as raw material for further processing. The issued license will be no more valid for final products.