

NAME: HIPS7240

Product Description:

HIPS 7240 is a 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 is available in white color.

Applications:

Extrusion: Darty 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.

Typical data: (Table)

Property	Unit	Value	Test Method
MFI (200°C/5kg)	g/10 min	4.5	ASTM D 1238
Styrene Residual Monomer	pp ^m	<500	CLGLABPSG004
Vicat Softening Point	°C	Min. 94	ASTM D 1525
Rockwell Hardness	-	Scale L6 5	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

Typical Data:

Density: 1.04 gr/cm³(app.)

Approximate shrinkage in mold: 0.4-0.7% (ASTM D 955)

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

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

Food Contact Properties:

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