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HIPS 7240 HIGH IMPACT POLYSTYRENE

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. Coextrusion with EVOH PE..., in dilution with crystal industrial sheets.

Thermoforming: Cups;Trays; Egg boxes; General packaging.
Diluted with crystal for CD inserts, Shoe heels.

Property	Unit	Value	Test Method
MFI (200°C/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	-	Scal e 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 mould: 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.