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TABRIZ PETROCHEMICAL CO

HIGH IMPACT POLYSTYRENE HIPS 7240

HIPS 7240 is a very high impact polystyrene used in the extrusion industry. This grade is designated to be diluted with crystal polystyrene (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.

Producer	Applications
Tabriz Petrochemical	Extrusion : Darty sheet , Coextrusion with EVOH PE..., in dilution with crystal industrial sheet. Containers Thermoforming: Cups, Trays, Egg boxes, General packaging. Dilution with crystal for CD inserts, Shoe heels.

Typical Properties

Resin Properties	Unit	Typical	Test Method
MFI (2000c/5kg)	g/10min	4.5	ASTM D 1238
Styrene residual monomer	ppm	<500	CLGLABPSG004
Vicat softening point	°C	Min. 94	ASTM D 1525
Rockwell hardness	-	Scale	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
Izod impact	%	Min. 8.5	ISO 180/1A
Water absorption	%	<0.1	ASTM D 570