

HIPS7240 HIGH IMPACT POLYSTYRENE

1) Product Description:

HIPS7240 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.

2) Applications:

- Extrusion : Darty sheet , Coextrusion with EVOH PE..., in dilution with crystal industrial sheet. Containers (up to 5 lit)
- Thermoforming: Cups, Trays, Egg boxes, General packaging. Dilution with crystal for CD inserts, Shoe heels.

3) Typical data

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
MFI (200oc/5kg)	ASTM D 1238	g/10 min	4.5
Styrene residual monomer	CLGLABPSG004 (ATOFINA TEST METHOD)	ppm	<500
Vicat softening point	ASTM D 1525	oC	Min. 94
Rockwell hardness	ASTM D 785	-	Scale
Tensile strength @ yeild	ASTM D 638	MPa	21
Tensile strength @ break	ASTM D 638	MPa	20
Elongation @ break	ASTM D 638	%	55
Flexural modulus	ASTM D 790	MPa	1750
Tensile modulus	ASTM D 638	MPa	1800
Izod impact	ISO 180/1A	%	Min. 8.5
Water absorption	ASTM D 570	%	<0.1

*Typical Values : not to be construed as specifications

4) Process conditions:

HIPS7240 can be processed under different conditions depending on machinery available and articles moulded. During processing of HIPS 7240 small quantities of styrene monomer may be released into the atmosphere. At styrene concentrations of 50 up to 100 PPM (TLV value for styrene monomer), no negative effects on health are expected.

Producer: Tabriz Petrochemical Co. Licensor: Total Packing: 25 Kg plastic bag