

# Technical Datasheet

## 7240

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### 1) Product Description:

HIPS7240 is a very high impact polystyrene used in the extrusion industry. This grade is designed 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. HIPS7240 is available in white color.

### 2) Applications:

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

### 3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
MFI (200°C/5kg)	ASTM D 1238	g/10min	4.5
Styrene residual monomer	CLGLABPSG004 (ATOFINA TEST METHOD)	RPM	<500
Vicat softening point	ASTM D 1525	°C	min. 94
Rockwell hardness	ASTM D 785	--	Scale
Tensile Strength at Yield	ASTM D 638	MPa	21
Tensile Strength at Break	ASTM D 638	MPa	20
Elongation at 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.