

# Technical Datasheet

## HIPS7350ESCR

### 1) Product Description:

HIPS7350 ESCR is a high impact polystyrene grade with improved stress cracked resistance compared to conventional high impact polystyrene. The excellent melt strength of this grade makes it particularly suited for deep-draw thermoforming. It is recommended for packaging applications such as oily food and dairy products. This grade has food contact approval.

### 2) Applications:

- ✓ Sheet extrusion application, Refrigerator inner liner, Refrigerator door liner, Packaging applications for oily food and dairy products

### 3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (200 °C, 5kg)	ASTM D-1238	g/10min	4
Styrene Residual Monomer	CLG LABPSG004 (ATOFINA TEST METHOD)	PPM	<500
Vicat softening point (50 °C/hr 1kg)	ASTM D-1525	°C	MIN93
Tensile Stress at Yield	ASTM D-638	MPA	18
Tensile Stress at Break	ASTM D-638	MPA	20
Elongation at Break	ASTM D-638	%	50
Tensile Modulus	ASTM D-638	MPA	1600
IZOD Impact	ASTM D-256	KJ/M <sup>2</sup>	12

\*All above mentioned data are typical values and not to be construed as real specifications. Density and shrinkage of this grade are approximately around 1.04 kg/lit & (0.4-0.7%)(ASTM D-955) respectively. All tests are carried out at 23°C, unless otherwise stated.

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