

	TYPICAL DATA SHEET*	ISSUE DATE	16/June/2020
	HIGH IMPACT POLYSTYRENE (HIPS)	WWW.TPCO.IR	
	HIPS8350	IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL: +984134282612	

HIPS8350 is very high impact polystyrene for extrusion sheets with improved ESCR in comparison with other standard high impact polystyrene such as HIPS7240. The good melt strength of this grade makes it particularly suited for deep-draw thermoforming. It is recommended for the production of packaging intended for products likely to cause stress cracking, for example fats and oils. HIPS8350 retains good mechanical properties at low temperatures making this grade suitable for frozen food packaging and for the production of fridge liners in contact with "HCFC" expanded foam insulation. This grade has food contact approval.

Applications: thermoforming, fridge doors and cabinet liners, packaging for fatty foods sheets.

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX(200°C/5KG)	g/10min	ASTM D-1238	4.5
STYRENE RESIDUAL MONOMER	PPM	CLG LABPSG004 (ATQFINA TEST METHOD)	<500
VICAT SOFTENING POINT (50 °C/hr 1kg)	°C	ASTM D-1525	96
ROCKWELL HARDNESS	-	ISO 2039-2	SCALE/R54
TENSILE STRESS AT YEILD	MPA	ISO527-2	18
TENSILE STRESS AT BREAK	MPA	ISO527-2	20
ELONGATION AT BREAK	%	ISO527-2	60
TENSILE MODULUS	MPA	ISO527-2	1600
IZOD IMPACT	KJ/M2	ISO180/1A	13

* All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S. (Standard Sales 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.