

HIPS 8350

HIGH IMPACT POLYSTYRENE

1) Product Description:

HIPS 8350 is a very high impact polystyrene used in the extrusion industry. This grade has an improved environmental stress crack resistance (ESCR) in comparison with standard high impact polystyrene grades. It is recommended for the production of packaging intended for products likely to cause stress cracking (e.g. 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.

2) Applications:

- Extrusion Sheet for thermoforming, fridge doors and cabinet liners. It is suitable for fatty foods packaging.

3) Typical data

Property	Unit	Value	Test Method
MFI (200oc/5kg)	g/10 min	4.5	ASTM D 1238
Styrene residual monomer	ppm	<500	CLG LABPSG004 (ATOFINA TEST METHOD)
Vicat softening point	oC	Min. 92	ASTM D 1525
Rockwell hardness	-	Scale R54	ASTM D 785
Tensile strength @ yeild	MPa	18	ASTM D 638
Tensile strength @ break	MPa	20	ASTM D 638
Elongation @ break	%	60	ASTM D 638
Flexural modulus	MPa	1600	ASTM D 790
Tensile modulus	MPa	1600	ASTM D 638
Izod impact	KJ/m2	Min. 9	ISO 180/1A
Water absorption	%	<0.1	ASTM D 570

Density of this grade is approximately : 1.04 gr/cm³ Shrinkage of this grade in mould is approximately : (0.4-0.7%) (ASTM D 955) All tests are carried out at 23 C unless otherwise stated. The above data are typical laboratory average . They are intended to serve as guides only.
 Producer: Tabriz Petrochemical Co. Licensor: Total Packing: 25 Kg plastic bag