

HIPS0302

Melt Index 3.0

Izod 2.0

Material Properties

Properties	Test Method	Unit	Typical Value
Melt Flow, 200/5.0	D 1238	gm/10 min	3.0
Falling Dart	D 3029	in-lb	125
Izod, Notched	D 256	ft-lbs/in	2.0
Tensile Strength @ Yield	D 638	psi	3,500
Tensile Modulus (10 ⁵)	D 638	psi	3
Tensile Elongation	D 638	%	55
Flexural Strength	D 790	psi	6,900
Flexural Modulus (10 ⁵)	D 790	psi	3.2
Heat Distortion, Annealed	D 648	°F	201
Vicat Softening	D1525	°F	210
Gloss, 60°	D 523		70

- 1 HIPS0302 complies with FDA requirements as amended in regulation 21 CFR § 177.1640.
- 2 HIPS0302 has passed Underwriters Laboratory 94HB with yellow card approvals available upon request.
- 3 HIPS0302 has passed the 3A SANITARY STANDARDS for multiuse plastic materials.
- 4 Material Safety Data Sheets are available to help customers satisfy their safety needs.

- HIPS0302 is a high impact polystyrene designed specifically for extrusion/thermoforming.
- The polymer's balanced properties and processing characteristics make it especially suitable for industrial packaging deep draw thermoforming and custom multi-layer sheet extrusion.
- This popular resin has established itself as the standard extrusion grade high impact polystyrene.