

HIPS03.503

Melt Index 3.5

Izod 3.0

Material Properties

Properties	Test Method	Unit	Typical Value
Melt Flow, 200/5.0	D 1238	gm/10 min	3.5
Falling Dart	D 3029	in-lb	160
Izod, Notched	D 256	ft-lbs/in	3.0
Tensile Strength @ Yield	D 638	psi	3,600
Tensile Modulus (10 ⁵)	D 638	psi	3
Tensile Elongation	D 638	%	55
Flexural Strength	D 790	psi	6,300
Flexural Modulus (10 ⁵)	D 790	psi	3.1
Heat Distortion, Annealed	D 648	°F	194
Vicat Softening	D 1525	°F	203
Gloss, 60°	D 523		88

- HIPS03.503 complies with FDA requirements as amended in regulation 21 CFR § 177.1640.
- HIPS03.503 has passed Underwriters Laboratory 94HB with yellow card approvals available upon request.
- Material Safety Data Sheets are available to help customers satisfy their safety needs.

- HIPS03.503 is a super high impact polystyrene designed for applications requiring extra toughness without sacrificing mechanical properties.
- It has excellent falling dart impact which, combined with the high gloss, makes it a candidate for some ABS applications.
- This polymer is superior for co-extrusion of high gloss sheet.
- HIPS03.503 has unique capabilities for deepdraw thermoforming with good side wall distribution.