



Exelene® HIPS

Product Data Sheet

7300E

Melt Flow Rate 3

Polystyrene
High Impact Polystyrene
Extrusion Grade

Applications

- Custom Sheet Extrusion, Extrusion Thermoforming, Printing, Packaging

Characteristics

- This material complies with the FDA requirements as described in 21 CFR 177.1640 for polystyrene and rubber-modified polystyrene resins intended for use in contact with food.

Properties	ASTM Testing	Units	Values
Resin Properties			
Melt Flow Rate	D 1238 (200°C; 5 kg)	g/10 min	3.0
Heat Distortion - Annealed	D 648	°C	95
Vicat Softening Point	D 1525	°C	101
Falling weight impact test (Dart)	D 3029	in-lb	110
Izod - Notched	D 256	ft-lbs/in	2.3
Tensile Properties			
Strength	D 638	psi	3,600
Modulus	D 638	psi	300,000
Elongation	D 638	%	50
Flexural Properties			
Strength	D 790	psi	6,900
Modulus	D 790	psi	320,000

