



Exelene® HIPS

Product Data Sheet

7800

Melt Flow Rate 8

Polystyrene
High Impact Polystyrene
Injection Grade

Applications

- Appliance Housings, Housewares, Toys and Structural Foam

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 f)	g/10 min	8
Heat Distortion - Annealed	D 648	°C	90
Vicat Softening Point	D 1525	°C	96
Falling weight impact test (Dart)	D 3029	in-lb	110
Izod - Notched	D 256	ft-lbs/in	2
Tensile Properties			
Strength	D 638	psi	3,600
Modulus	D 638	psi	330,000
Elongation	D 638	%	45
Flexural Properties			
Strength	D 790	psi	6,500
Modulus	D 790	psi	340,000

