



Exelene® PS

Product Data Sheet

Polystyrene
General Purpose Polystyrene
Injection Molding

6800

Melt Flow Rate 9

Applications

- Cutlery, Coextrusion Capping, Medical Applications

Characteristics

- The Exelene resin GPPS 6800 meets the requirements of Section 177.1640, paragraph C, from chapter 21 denominated "Olefin Polymers" from the Code of Federal Regulations of the FDA, to be utilized with direct food contact.

Properties	ASTM Testing	Units	Values
Resin Properties			
Melt Flow Rate	D 1238 (200°C; 5 kg)	g/10 min	9.0
Heat Distortion - Annealed	D648	°C	93
Vicat Softening Point	D 1525	°C	100
Tensile Properties			
Strength	D638	psi	6,700
Modulus	D638	psi	440,000
Flexural Properties			
Strength	D790	psi	13,500
Modulus	D790	psi	450,000
Other Properties			
Density		g/cm ³	1.04
Linear Shrinkage	D955	in/in	0.004 - 0.007
Moisture		%	<0.1

