



Exelene® PS

Product Data Sheet

Polystyrene
General Purpose Polystyrene
Injection Molding

6900

Melt Flow Rate 14

Applications

- Cutlery, Tumblers and Containers. Blending Crystal

Characteristics

- The Exelene resin GPPS 6900 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	14
Heat Distortion - Annealed	D648	°C	90.5
Vicat Softening Point	D 1525	°C	96
Tensile Properties			
Strength	D638	psi	6,400
Modulus	D638	psi	450,000
Flexural Properties			
Strength	D790	psi	12,200
Modulus	D790	psi	460,000
Other Properties			
Density		g/cm ³	1.04
Linear Shrinkage	D955	in/in	0.004 - 0.007
Moisture		%	<0.1

