

Exelene® PS 6900

General Purpose Polystyrene
Montachem International, Inc.

Message:

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.

General Information			
Features	Food Contact Acceptable		
	General Purpose		
Uses	Blending		
	Food Containers		
	Food Service Applications		
	General Purpose		
	Medical/Healthcare Applications		
	Non-specific Food Applications		
Agency Ratings	FDA 21 CFR 177.1640		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	14	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Water Absorption (Saturation)	< 0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	44.1	MPa	ASTM D638
Flexural Strength	84.1	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	96.0	°C	ASTM D1525
Heat Deflection Temperature - Annealed	90.5	°C	ASTM D648

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