

Exelene® PS 7800

High Impact Polystyrene

Montachem International, Inc.

Message:

Applications:

Appliance Housings, Housewares, Toys and Structural Foam

Characteristics:

The Exelene resin HIPS 7800 meets the requirements of section 177.1520, 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		
	High Impact Resistance		
Uses	Appliance Components		
	Food Service Applications		
	Household Goods		
	Housings		
	Non-specific Food Applications		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520(c)		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	24.8	MPa	ASTM D638
Tensile Elongation (Break)	45	%	ASTM D638
Flexural Strength	44.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Instrumented Dart Impact	12.4	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	96.0	°C	ASTM D1525
Heat Deflection Temperature - Annealed	90.0	°C	ASTM D648

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