



Exelene® PP

Product Data Sheet

Polypropylene
PP Homopolymer
Injection Molding

H3500

Melt Flow Rate 35

Density 0.900

Applications

- Caps, toys, Small kitchen utensils, Trays with thin surfaces, containers for cosmetics

Characteristics

- The Exelene resin PP H3500 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.

Properties	ASTM Testin	Units	Values
Resin Properties			
Melt Flow Rate	D 1238 (230°C; 2,16 kgf)	g/10 min	35
Density	D 792 (23°C)	g/cm³	0.900
Additives Package	Antioxidant		
Properties in standard test tubes by injection molding			
Tensile Strength @ yield	D 638 (50 mm/min, IV)	psi	4,900
Elongation @ yield	D 638 (50 mm/min, IV)	%	9.5
Flexural Modulus (1%)	D 790 I/B (13 mm/min; 3,2 mm)	psi	185,000
Notched Izod Impact	D 256A (muesca; 3,2 mm; 23°C)	ft x lb / in	0.40
Rockwell Hardness (R-Scale)	D 785 (23°C)	----	105
Deflection Temperature Under Load	D 648 (2°C/min; 66 psi)	°C	98

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