

Exelene® PP H3500

Polypropylene Homopolymer

Montachem International, Inc.

Message:

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.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Homopolymer		
Uses	Caps		
	Cosmetics		
	Food Service Applications		
	Household Goods		
	Non-specific Food Applications		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520(c)		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	33.8	MPa	ASTM D638
Tensile Elongation ² (Yield)	8.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (3.20 mm)	1240	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	21	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁴ (0.45 MPa, Unannealed)	100	°C	ASTM D648
NOTE			
1.	Type IV, 50 mm/min		
2.	Type IV, 50 mm/min		

3.	Method I (3 point load), 13 mm/min
4.	2°C/min

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