

Exelene® PP H2000

Polypropylene Homopolymer

Montachem International, Inc.

Message:

Exelene® PP H2000 is a Polypropylene Homopolymer (PP Homopolymer) product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Exelene® PP H2000 include consumer goods, food contact applications, kitchenware, trays/racks and wrap.

Characteristics include:

Antioxidant

Food Contact Acceptable

Homopolymer

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Homopolymer		
Uses	Kitchenware		
	Stretch Wrap		
	Support Trays		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	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)	27	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648
NOTE			
1.	Type IV, 50 mm/min		
2.	Type IV, 50 mm/min		

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