

# Exelene® PP C2004

Polypropylene Impact Copolymer

Montachem International, Inc.

## Message:

### Applications:

Garden furniture, paint containers, toys

Automotive applications, caps, closures

### Characteristics:

The Exelene resin PP C2004 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		
	Antistatic		
	Nucleating Agent		
Features	Antioxidant		
	Antistatic		
	Impact Copolymer		
	Nucleated		
Uses	Automotive Applications		
	Caps		
	Food Service Applications		
	Furniture		
	Non-specific Food Applications		
	Outdoor Furnishings		
	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 <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	21.4	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (3.20 mm)	896	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	80	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load <sup>4</sup> (0.45 MPa, Unannealed)	86.0	°C	ASTM D648
Vicat Softening Temperature	143	°C	ASTM D1525
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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