

Exelene® PP C3504

Polypropylene Impact Copolymer

Montachem International, Inc.

Message:

Exelene® PP C3504 is a Polypropylene Impact Copolymer (PP Impact Copolymer) 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 C3504 include appliances, engineering/industrial parts, food contact applications and household applications.

Characteristics include:

Antioxidant

Antistatic

Copolymer

Food Contact Acceptable

Nucleated

General Information			
Additive	Antioxidant		
	Antistatic		
	Nucleating Agent		
Features	Antioxidant		
	Antistatic		
	Food Contact Acceptable		
	Impact Copolymer		
	Nucleated		
Uses	Appliance Components		
	Household Goods		
	Thin-walled Parts		
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)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	79		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	27.6	MPa	ASTM D638
Tensile Elongation ² (Yield)	6.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (3.20 mm)	1380	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 (0.45 MPa, Unannealed)	100	°C	ASTM D648
NOTE			
1.	Type IV, 50 mm/min		
2.	Type IV, 50 mm/min		
3.	Type I, 13 mm/min		

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