

Exelene® PP R0205

Polypropylene Random Copolymer

Montachem International, Inc.

Message:

Exelene® PP R0205 is a Polypropylene Random Copolymer (PP Random Copolymer) product. It can be processed by coextrusion, extrusion blow molding, or thermoforming and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Exelene® PP R0205 include bottles, containers, food contact applications, kitchenware and medical/healthcare.

Characteristics include:

- Antioxidant
- Antistatic
- Clarified
- Clarity
- Copolymer

General Information			
Additive	Antioxidant		
	Antistatic		
	Clarifier		
Features	Antioxidant		
	Antistatic		
	Excellent Printability		
	Food Contact Acceptable		
	High Clarity		
	Random Copolymer		
Uses	Bottles		
	Cups		
	Food Containers		
	Fruit Juice Bottles		
	Medical Packaging		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Processing Method	Coextrusion		
	Extrusion Blow Molding		
	Thermoforming		
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)	2.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method

Rockwell Hardness (R-Scale, 23°C)	83		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	31.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	12	%	ASTM D638
Flexural Modulus - 1% Secant ³ (3.20 mm)	1170	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	64	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	98.0	°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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