



Exelene[®] PP

Product Data Sheet

Polypropylene
PP Random Copolymer
Extrusion-Blow Molding

R0205

Melt Flow Rate 2,0

Density 0,900

Applications

- Bottles with good transparency for food
- Bottles for medical products, laboratories and personal care
- Very transparent laminates for glasses and thermoformed containers
- Coextruded films for water, juices and soft drinks

Characteristics

- The Exelene resin PP R0205 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.

Properties	ASTM Testing	Units	Values
Resin Properties			
Melt Flow Rate	D 1238 (230°C; 2,16 kgf)	g/10 min	2.0
Density	D 792 (23°C)	g/cm ³	0.900
Additives Package	Antioxidant, Antistatic Agent, Clarifying Agent		
Properties in standard test tubes by injection molding			
Tensile Strength @ yield	D 638 (50 mm/min, IV)	psi	4,500
Elongation @ yield	D 638 (50 mm/min, IV)	%	12
Flexural Modulus (1%)	D 790 I/B (13 mm/min; 3,2 mm)	psi	170,000
Notched Izod Impact	D 256A (muesca; 3,2 mm; 23°C)	ft x lb / in	1.20
Rockwell Hardness (R-Scale)	D 785 (23°C)	----	83
Deflection Temperature Under Load	D 648 (2°C/min; 66 psi)	°C	98

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