



# Exelene<sup>®</sup> PP

## Product Data Sheet

**Polypropylene**  
**PP Random Copolymer**  
**Injection Molding**

# R1005

**Melt Flow Rate 11.0**

**Density 0.900**

### Applications

- Highly transparent containers for storing food
- Video and CD casings
- Transparent pitchers for water, juices and soft drinks
- Disposable syringes (body)

### Characteristics

- The Exelene resin PP R1005 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.
- The Exelene resin PP R3505 meets the requirements of section 177.1520, paragraph C, from chapter 21 denominated "Olefin

Properties	ASTM Testing	Units	Values
<b>Resin Properties</b>			
Melt Flow Rate	D 1238 (230°C; 2,16 kgf)	g/10 min	12.0
Density	D 792 (23°C)	g/cm <sup>3</sup>	0.900
Additives Package	Antioxidant, Antistatic Agent, Clarifying Agent		
<b>Properties in standard test tubes by injection molding</b>			
Tensile Strength @ yield	D 638 (50 mm/min, IV)	psi	4,800
Elongation @ yield	D 638 (50 mm/min, IV)	%	12
Flexural Modulus (1%)	D 790 I/B (13 mm/min; 3,2 mm)	psi	161,000
Notched Izod Impact	D 256A (muesca; 3,2 mm; 23°C)	ft x lb / in	1.30
Rockwell Hardness (R-Scale)	D 785 (23°C)	----	94
Deflection Temperature Under Load	D 648 (2°C/min; 66 psi)	°C	82

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