



Exelene® PP

Product Data Sheet

Polypropylene
PP Random Copolymer
Injection Molding

R3505

Melt Flow Rate **35,0**

Density **0,900**

Applications

- Highly transparent containers for storing food
- Video and CD casings
- Disposable syringes (body)

Characteristics

- The Exelene resin PP R3505 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	35.0
Density	D 792 (23°C)	g/cm³	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	4,300
Elongation @ yield	D 638 (50 mm/min, IV)	%	12
Flexural Modulus (1%)	D 790 I/B (13 mm/min; 3,2 mm)	psi	140,000
Notched Izod Impact	D 256A (muesca; 3,2 mm; 23°C)	ft x lb / in	1.50
Rockwell Hardness (R-Scale)	D 785 (23°C)	---	94
Deflection Temperature Under Load	D 648 (2°C/min; 66 psi)	°C	82

