



Exelene[®] 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 |
|---|---|-------------------|---------|
| Resin Properties | | | |
| Melt Flow Rate | D 1238 (230°C; 2,16 kgf) | g/10 min | 10.0 |
| 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 | 4,800 |
| 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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