



Exelene® HDPE

Product Data Sheet

High Density Polyethylene

HDPE copolymer

Injection Molding

30000

Melt Flow Rate 30

Density 0.951

Applications

- Caps and closures non carbonated beverages
- Housewares, Frozen Food Containers, Aerosol overcaps

Characteristics

- The Exelene resin HDPE 30000 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 (190°C; 2,16 kgf)	g/10 min	30
Density	D 792 (23°C)	g/cm ³	0.951
Melting Point	DSC	°C	129
Properties in standard test tubes by compression molding			
Tensile Strength @ yield	D 638 (50 mm/min, IV)	psi	3,400
Elongation @ break	D 638 (50 mm/min, IV)	%	200
Flexural Modulus	D 790 I/B (13 mm/min; 3,2 mm)	psi	145,000
Durometer hardness (Shore D)	D 2240 D (23°C; 1 s)	---	62
Brittleness Temperature	D 746A (F50; 25 lb/in)	°C	< -75
Vicat Softening Point	D 1525A (50°C/h; 1,0 kgf)	°C	120

