



# Exelene LDPE

## Product Data Sheet

### Low Density Polyethylene LDPE Injection Molding

# 20000

Melt Flow Rate 20,0

Density 0,923

#### Applications

- Caps, Closures, Toys, Lids

#### Characteristics

- The Exelene resin LDPE 20000 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.

| Grade              | Additives Package                                   |
|--------------------|-----------------------------------------------------|
| Exelene LDPE 20000 | Antiblock: No    Slip: 400ppm    Processing Aid: No |

| Properties                 | ASTM Testing                              | Units             | Values           |
|----------------------------|-------------------------------------------|-------------------|------------------|
| <b>Resin Properties</b>    |                                           |                   |                  |
| Melt Flow Rate             | MFI <sub>2</sub> D 1238 (190°C; 2,16 kgf) | g/10 min          | 20.00            |
| Density                    | D 792 (23°C)                              | g/cm <sup>3</sup> | 0.923            |
| Durometer Hardness Shore D | D2240                                     |                   | 45               |
| Melting Point              | DSC                                       | °C                | 110              |
| <b>Molded Properties</b>   |                                           |                   |                  |
| Elongation at Break        | D638 Type IV                              | %                 | 300.0            |
| Tensile Strength at Break  | D638 Type IV                              | MPa               | 9 (1300 psi)     |
| Flexural Modulus           | D790                                      | MPa               | 200 (29,000 psi) |
|                            |                                           |                   |                  |

