

Daelimpoly 5502

High Density Polyethylene



Blow molding

Customer Benefits

- Excellent processability
- Good impact strength
- Good stiffness

Suggested Applications

- Small & medium bottle
(Food, Detergent, Bleach, Cosmetic, Shampoo etc)

Processing Recommendation

- Stock Temp. : 180~ 210 °C

Specification Data

- ASTM D 1248-Type III, Class A, Category 5
- FDA Regulation 177. 1520 Suitable for Food Packaging

Nominal Physical Properties

| Properties | Test Method | Metric | |
|------------------------------|-------------|--------------------|-------|
| | | Unit | Value |
| Melt Index (190°C, 2.16Kg) | ASTM D 1238 | g/10min | 0.35 |
| Density | ASTM D 1505 | g/cm ³ | 0.955 |
| Tensile Yield Strength | ASTM D 638 | kg/cm ² | 280 |
| Ultimate Elongation | ASTM D 638 | % | >600 |
| Flexural Modulus | ASTM D 790 | kg/cm ² | 14000 |
| IZOD Impact Strength (-20°C) | ASTM D 256 | kg.cm/cm | 35 |
| Brittleness Temperature | ASTM D 746 | °C | <-76 |
| ESCR (Condition B, F50) | ASTM D 1693 | Hr | 30 |

Physical properties reported herein were determined on compression molded specimens prepared in accordance with procedure c of ASTM D1928.



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