

MELT - 50

DENSITY - 0.926

LLI-5026 is a certified prime grade copolymer designed for High-Flow INJECTION MOLDING of thin-walled, high quality applications. Suggested processing temperature is 170 to 210°C, with the mold at 20 to 40°C. **LLI-5026** complies with FDA regulation 21CFR 177.1520 (c) 3.1a and most international regulations concerning the use of Polyethylene in contact with food articles.

Features:

- Fast molding cycle
- Good processability
- High flow
- High gloss
- High rigidity
- Low temperature toughness
- Low warpage

Typical Applications:

- Housewares
- Margarine tubs
- Containers
- Trash cans
- Toys
- Lids, closures and caps

| PROPERTIES | ASTM | UNIT | VALUES |
|--|-------|-------------------|--------|
| PHYSICAL | | | |
| Density | D1505 | g/cm ³ | 0.926 |
| Melt Flow Rate (190°C, 2.16kg) | D1238 | g/10 min | 50 |
| Env. Stress Cracking Resistance (122°F, F50) | D1693 | hr | 5.00 |
| MECHANICAL (Compression Molded) | | | |
| Tensile Strength @ Yield (20 in/min) | D638 | psi | 2200 |
| Tensile Elongation @ Break (20 in/min) | D638 | % | 90 |
| Flexural Modulus - 1% Secant Comp. Mold | D790 | psi | 65k |
| Notched Izod Impact | D256 | ft-lb/in | 8.3 |
| Brittleness Temperature | D746 | °F | -85.0 |
| Vicat Softening Temperature | D1525 | °F | 196 |