

LLDPE- LL92050

Linear Low Density Polyethylene Resin

Product Description

LLDPE- LL92050 is a narrow molecular weight butene copolymer designed for applications that require very easy processability in thin walled parts. This resin offers excellent toughness and tear resistance in freezer applications for food packaging.

General

| | | | |
|---------------------------|---------------------------|-------------------|-----------------|
| Availability ¹ | • Latin America | • North America | • South America |
| Applications | • Closures and Dispensers | • Housewares | |
| | • Freezer Lids | • Protective Caps | |
| Revision Date | • March 2010 | | |

| Resin Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|----------------------------|-------------------------|-------------------------|---------------|
| Density | 0.926 g/cm ³ | 0.926 g/cm ³ | ASTM D4883 |
| Melt Index (190°C/2.16 kg) | 50 g/10 min | 50 g/10 min | ASTM D1238 |

| Thermal | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------------|-------------------------|--------------------|---------------|
| Vicat Softening Temperature | 197 °F | 91.8 °C | ASTM D1525 |
| Melting Temperature | 253 °F | 123 °C | ASTM D3418 |

| Molded Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|--|-------------------------|--------------------|---------------|
| Tensile Strength at Yield | 1650 psi | 11.4 MPa | ASTM D638 |
| Elongation at Break | 90 % | 90 % | ASTM D638 |
| Flexural Modulus - 1% Secant | 39200 psi | 270 MPa | ASTM D790B |
| Environmental Stress-Crack Resistance 10% Igepal, F50 | < 1.00 hr | < 1.00 hr | ASTM D1693B |

Additional Information

Properties are based on injection molded samples.
Test procedures may be modified to accommodate operating conditions or facility limitations.

Legal Statement

This product is not intended for use in medical applications and should not be used in any such applications.

Notes

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.