

Injection Molding

Applications

- Lids
- Color concentrates
- Compounding

Characteristics

- Excellent processability
- Very narrow molecular weight distribution

Description - LLDPE 100939 is intended for highspeed injection molding of thin-walled parts such as downgauged lids.

This resin is designed to have an excellent balance of processability, impact strength and rigidity.

FDA Status - This resin complies with FDA 21 CFR 177.1520 (c) 3.1a

Property	English Value	SI Value	Method
Melt Index, MI ₂	100 g/10min	150 g/10min	D 1238
Density	0.939 cm ³	0.939 cm ³	D 792
Tensile Strength at Yield	2400 psi	16.5 MPa	D 638
Tensile Strength at Break	1300 psi	8.96 MPa	D 638
Tensile Elongation at Yield	8.0%	8.0%	D 638
Tensile Elongation at Break	50%	50%	D 638
Flexural Modulus, 2% Secant	83000 psi	573 MPa	D 790B
Tensile Impact Strength	50.0 ft-lb/in ²	105 kJ/m ²	D 1822
Hardness	52	52	D 2240
DTUL @ 66 psi, Unannealed	126 °F	52.2 °C	D 648
Brittleness Temperature	-4.00 °F	-20.0 °C	D 746
Vicat Softening Temperature	252 °F	122 °C	D 1525

This information, to our knowledge, is believed to be correct. The use of this product in its actual conditions are beyond our control and satisfactory results for this product is the customer's sole responsibility. User must make their own decisions regarding its suitability for their equipment and final products.

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