

# LLDPE B100939

Linear Low Density Polyethylene



## Overview

LLDPE B100939 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

## Applications

- Lids
- Color concentrates
- Compounding

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.16 kg)	100	g/10 min	D 1238
Density (g/cm <sup>3</sup> )	0.939	g/cm <sup>3</sup>	D 792
Vicat Softening Temperature	252	°F	D3418
DTUL, 66psi, Unannealed	126	°F	D746
Heat Deflection Temperature, 66 psi	121	°F	D648
Tensile Strength at Yield	2,400	psi	D638
Tensile Strength at Break	1,300	psi	D638
Elongation at Break	50	%	D638
Elongation at Yield	8	%	D638
Flexural Modulus, 2% Secant	83,000	psi	D790
Durometer Hardness, Shore D	52		D2240
Tensile Impact Strength	50	ft-lb/in	D1822