

ExxonMobil™ LDPE LD 650

Low Density Polyethylene Resin

Product Description

LD650 is an easy flowing LDPE grade with a good flexibility and excellent toughness.

General

Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Caps ▪ Closures ▪ Compounding	▪ Food Packaging Containers ▪ Houseware Articles ▪ Injection Molding	▪ Masterbatch Base Resin ▪ Toys ▪ Viscosity Modifier

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.914 g/cm ³	0.914 g/cm ³	ExxonMobil Method
Melt Index ²	22 g/10 min	22 g/10 min	ExxonMobil Method
Peak Melting Temperature	217 °F	103 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	174 °F	79 °C	ISO 306

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Modulus	14000 psi	95 MPa	ISO 527-2/1A/1
Tensile Stress (100% Strain)	1200 psi	8.3 MPa	ISO 527-2/1A/50
Tensile Strain at Break	> 100 %	> 100 %	ISO 527-2/1A/50
Shore Hardness (Shore D, 15 sec)	41	41	ISO 868

