

ExxonMobil™ LDPE LD 654

Low Density Polyethylene Resin

Product Description

LD 654 is a very high flow LDPE grade with a very good flexibility. It can be added to low-flowing LDPE grades to improve their processability.

General

Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Artificial Flowers ▪ Carpet Backing	▪ Compounding ▪ Injection Molding	▪ Masterbatch Base Resin

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.913 g/cm ³	0.913 g/cm ³	ExxonMobil Method
Melt Index ²	70 g/10 min	70 g/10 min	ExxonMobil Method
Peak Melting Temperature	216 °F	102 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	167 °F	75 °C	ISO 306

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Modulus	12000 psi	84 MPa	ISO 527-2/1A/1
Tensile Stress (100% Strain)	1060 psi	7.3 MPa	ISO 527-2/1A/50
Tensile Strain at Break	> 100 %	> 100 %	ISO 527-2/1A/50
Shore Hardness (Shore D, 15 sec)	39	39	ISO 868

