

ExxonMobil™ LDPE LD 655

Low Density Polyethylene Resin

Product Description

LD 655 is a very high flow LDPE grade, with a very good flexibility.

General

Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Carpet Backing	▪ Compounding	▪ 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	150 g/10 min	150 g/10 min	ExxonMobil Method
Peak Melting Temperature	214 °F	101 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	163 °F	73 °C	ISO 306

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Modulus	12000 psi	85 MPa	ISO 527-2/1A/1
Tensile Stress (100% Strain)	1000 psi	6.9 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

