

ExxonMobil™ LLDPE LL 5252.09

Linear Low Density Polyethylene Resin

Product Description

ExxonMobil™ LL 5252.09 is a linear low density polyethylene resin designed to provide good processability and ease of blending. The granular form of LL 5252.09 makes for efficient blending with pigments, slip additives, and antiblock additives.

General

Additive	- Antiblock: No - Slip: No	- Processing Aid: No - Thermal Stabilizer: Yes
Applications	Masterbatch Base Resin	
Form(s)	Granules	

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.926 g/cm ³	0.926 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	50 g/10 min	50 g/10 min	ASTM D1238
Peak Melting Temperature	250 °F	121 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	180 °F	82 °C	ASTM D1525

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield	17 psi	0.11 MPa	ASTM D638
Tensile Strength at Break	9.9 psi	0.068 MPa	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Flexural Modulus - 1% Secant	66000 psi	460 MPa	ASTM D790
Durometer Hardness (Shore D, 15 sec)	49	49	ASTM D2240

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C))	8.2 ft·lb/in	440 J/m	ASTM D256A

