

ExxonMobil™ LDPE LD 251

Low Density Polyethylene Resin

Product Description

LD 251 is a standard LDPE extrusion coating grade, offering - Low neck-in - Excellent heat sealability (i.e. high seal speeds and/or low seal temperatures mostly required in high speed form-fill and seal applications) - Good organoleptic properties (low odor and off-taste)

General

Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Coextrusion Coating ▪ Demanding Heat Seals ▪ Extrusion Coating	▪ Extrusion Lamination ▪ Food packaging ▪ Liquid Packaging	▪ Non-Woven Coating ▪ Photographic Paper

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.916 g/cm ³	0.916 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238
Peak Melting Temperature	221 °F	105 °C	ExxonMobil Method

Coating Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Draw Down			ExxonMobil Method
Constant output at 35 rpm, 599°F (315°C)	240 m/min	240 m/min	
Neck-in			ExxonMobil Method
164 ft/min (50 m/min), Constant output at 35 rpm, 599°F (315°C)	1.6 in	4.0 cm	
328 ft/min (100 m/min), Constant output at 35 rpm, 599°F (315°C)	1.5 in	3.7 cm	

