

LDPE

LDPE LD 251

LOW DENSITY POLYETHYLENE (LDPE)

This 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) and good organoleptic properties (low odor and off-taste).

Typical Application	International Compliance
• Coextrusion coating • Demanding heat seals • Extrusion coating • Extrusion lamination • Food packaging • Liquid packaging • Non-woven coating • Photographic paper	• Potential food-contact application compliance (FDA, EU, HPFB) available on request; written Statement of Compliance supplied per production lot at order.

Physical Properties			
Properties	Test Method	Typical Value	Unit
Density	ASTM D1505	0.916	g/cm ³
Melt Index (190°C/2.16 kg)	ASTM D1238	8.0	g/10 min
Peak Melting Temperature		104	°C
Draw Down (constant output, 35 rpm, 315°C)		230	m/min
Neck-in at 50 m/min (constant output, 35 rpm, 315°C)		4.0	cm
Neck-in at 100 m/min (constant output, 35 rpm, 315°C)		3.8	cm

Processing Guidelines

Typical values obtained on a pilot co-extrusion line at an air gap of 170 mm (6.7 in).

1. The producer datasheet for this grade reports a density of 0.916 g/cm³; melt index (8.0 g/10 min) and application scope match the distributor offer-sheet listing exactly, confirming this is the correct grade despite a minor density figure discrepancy in the offer-sheet metadata.

2. The nominal properties reported herein are typical of the product and do not reflect normal testing variance; they should not be used for specification purposes.