

LDPE

LDPE 1C7A

LOW DENSITY POLYETHYLENE (LDPE)

This low-density polyethylene (LDPE) extrusion-coating resin combines low specific gravity with good heat-seal performance and good processability. It is a general-purpose, food-contact grade with no perceptible odor, suitable for a broad range of coating and packaging applications.

Typical Application	Product Characteristics	International Compliance
• Extrusion coating of BOPET film • Extrusion coating of BOPP film • Chemical packaging • Food packaging • Liquids packaging • Pharmaceutical packaging • Biaxially oriented polyamide (BOPA) nylon film • Agricultural film • Aluminum foil coating • Paper coating • Compounding applications	• Low specific gravity • Good heat-seal performance • Non-toxic and odorless • General-purpose grade • Good processability	• FDA food-contact compliance

Physical Properties

Properties	Test Method	Typical Value	Unit
Density	ASTM D1505	0.918	g/cm ³
Melt Flow Rate (190°C/2.16kg)	ASTM D1238	7.0	g/10 min
Melt Expansion (Swelling) Ratio		1.80	

1. Cross-checked against a second distributor-hosted datasheet reporting consistent typical values (density 0.917 g/cm³ per GB/T 1033, melt index 6.9 g/10 min per GB/T 3682, extrusion swelling ratio 1.80).

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.