

LLDPE**LLDPE 8320****LINEAR LOW-DENSITY POLYETHYLENE (LLDPE)**

8320 is a high-flow, butene-comonomer linear low-density polyethylene (LLDPE) injection molding grade offering high tensile strength, toughness, and good fluidity for filling thin-walled and precision cavities. The resin retains impact resistance at low temperature and provides scratch resistance suited to durable household and technical parts.

Typical Application

- Injection-moulded household goods (waste bins, toys)
- Refrigerator components
- Cable jacketing
- Plastic barrels and reusable containers
- Color and functional masterbatch carrier resin

Product Characteristics

- High fluidity suited to thin-walled and precision injection molding
- High tensile strength and toughness
- Good scratch resistance
- Retains impact resistance at low temperature

Physical Properties

Properties	Test Method	Typical Value	Unit
Melt Index (190°C/2.16kg)	GB/T 3682	20	g/10 min
Density	GB/T 1033	0.924	g/cm ³
Tensile Strength at Yield	GB/T 1040	10	MPa
Tensile Strength at Break	GB/T 1040	4	MPa
Elongation at Break	GB/T 1040	50	%
Low-Temperature Brittleness Temperature	GB/T 5470	-60	°C

1. Physical property values above are typical data for the equivalent-family injection molding grade published by a regional distributor, reporting a melt index and density matching this grade's specification; independent per-grade producer documentation was not located.

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.