



## LDPE

### Description

Low-density polyethylene (LDPE) is a type of thermoplastic polymer derived from ethylene and known for its high flexibility, toughness, low-temperature performance, and transparency. Produced using high-pressure polymerization, LDPE's highly branched structure makes it softer and less rigid than other polyethylenes like HDPE. It is widely used in applications such as films, bags, and packaging due to its flexibility, chemical resistance, and low cost.

### Application

- **Greenhouse Films:** Agricultural films, tunnel covers.
- **Household Plastic Bags:** Shopping bags, carrier bags, and bin liners.
- **Padding Polyester:** Foam wrap, protective packaging material.
- **Plastic Packaging:** Shrink wrap, food packaging films, and flexible pouches.

GRADE	P-102	P-2100	P-119	P-130	P-420H	P-420D	P-58	P-53	P-S58	P-C26H	P-C20H	P-C20D	P-C810D
MFR	1,9	0,3	1,9	0,3	1,9	0,25	2	0,3	2	2	2,1	0,28	0,31
DENSITY	921	921	921	921	924	923	919	-	919	923	924	923	920
TENSILE STRESS AT YIELD	11	11	11	10	11	10	9,5	10,8	11	10,5	12,7	16,4	14,7
TENSILE STRESS AT BREAK	20	26	20	24	26	27	11,7	14,7	25	104	102	534	524