

Marlex® 4517 Polyethylene

LOW DENSITY POLYETHYLENE (LDPE)

This low density polyethylene is tailored for extrusion coating applications that require:

- Excellent processability
- Good WVTR
- Good heat seal

Typical extrusion coating applications may include:

- Liquid packaging
- Cup stock
- Folding carton
- General paper and board coating

| Nominal Resin Properties | English | SI | Method |
|-----------------------------|---------|-------------------------|------------|
| Melt Index, 190 °C/2.16 kg | --- | 5.1 g/10min | ASTM D1238 |
| Density | --- | 0.923 g/cm ³ | ASTM D1505 |
| Vicat Softening Temperature | 213 °F | 100 °C | ASTM D1525 |
| Melting Point | 227 °F | 108 °C | ASTM D3418 |

| Nominal Extrusion Coating Properties at 1 mil (14.4 lb/ream) ¹ | English | SI | Method |
|---|--|---|------------|
| WVTR | 1.19 g/100in ² /day | 18 g/m ² /day | ASTM F1249 |
| OTR | 470 cm ³ /100in ² /day | 7200 cm ³ /m ² /day | ASTM D3985 |

1. Testing performed on coated slip sheet at 14.4 lb/ream or 1.0 mil

