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SUPERIOR FLEXIBLE PACKAGING RESINS

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

Revision Date: August, 2021



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