

# Marlex® 1018 Polyethylene

## LOW DENSITY POLYETHYLENE (LDPE)

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

- Excellent processability
- Low neck-in
- High temperature extrusion stability

Typical extrusion coating applications may include:

- Laminations
- Sealant resin
- General paper and board coating
- General flexible packaging

Nominal Resin Properties	English	SI	Method
Melt Index, 190 °C/2.16 kg	---	8 g/10 min	ASTM D1238
Density	---	0.917 g/cm <sup>3</sup>	ASTM D1505
Vicat Softening Temperature	193 °F	90 °C	ASTM D1525
Melting Point	218 °F	104 °C	ASTM D3418

Nominal Extrusion Coating Properties at 1 mil (14.4 lb/ream) <sup>1</sup>	English	SI	Method
WVTR	1.35 g/100in <sup>2</sup> /day	21 g/m <sup>2</sup> /day	ASTM F1249
OTR	510 cm <sup>3</sup> /100in <sup>2</sup> /day	8000 cm <sup>3</sup> /m <sup>2</sup> /day	ASTM D3985

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

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