For more information and technical assistance contact:

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Marlex® Polyethylene

SUPERIOR FLEXIBLE PACKAGING RESINS

Marlex® 4571 Polyethylene

LOW DENSITY POLYETHYLENE (LDPE)

This low density polyethylene is tailored for cast film applications that require:

- High speed extrusion
- Low neck-in
- Good drawdown
- Edge tear resistance
- High coefficient of friction

Typical cast film resin applications include:

- Personal care
- General purpose

Nominal Resin Properties	English	SI	Method
Melt Index, 190 °C/2.16 kg	---	4.1 g/10 min	ASTM D1238
Density	---	0.924 g/cm^3	ASTM D1505
Slip	None	None	---
Antiblock	None	None	---
Vicat Softening Temperature	209 °F	99 °C	ASTM D1525
Melting Point	229 °F	109 °C	ASTM D3418

Nominal Cast Film Properties at 1.25 mil[1]	English	SI	Method
Haze	9 %	9 %	ASTM D1003
Gloss, 60°	86	86	ASTM D2457
COF	0.75	0.75	ASTM D1894
Dart	---	65 g/mil	ASTM D1709
Elmendorf Tear MD	---	320 g/mil	ASTM D1922
Elmendorf Tear TD	---	125 g/mil	ASTM D1922
WVTR	0.84 g/100in^2/day	13 g/m^2/day	ASTM F1249
OTR	400 cm^3/100in^2/day	6100 cm^3/m^2/day	ASTM D3985

1. Produced using a smooth bore extruder at a rate of 7 lb/in die cast film line

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