

mPact[®] D139EK

METALLOCENE LINEAR LOW DENSITY POLYETHYLENE

This mLLDPE is tailored for applications that require:

- Excellent clarity
- Excellent gloss
- Excellent toughness
- Excellent heat seal

Typical blown film applications include:

- Seal layer in coextrusions
- Heavy duty packaging
- Clarity packaging

Nominal Resin Properties	English	SI	Method
Density	---	0.918 g/cm ³	ASTM D1505
Melt Index, 190 °C/2.16 kg	---	1.0 g/10 min	ASTM D1238
Process Aid	Yes	Yes	---
Antiblock	5000 ppm	5000 ppm	---
Slip	500 ppm	500 ppm	---

Nominal Blown Film Properties @ 1 mil ¹	English	SI	Method
Haze	9 %	9 %	ASTM D1003
Gloss, 60°	103	103	ASTM D2457
COF	0.6	0.6	ASTM D1894
Dart	---	600 g/mil	ASTM D1709
Elmendorf Tear MD/TD	---	230/440 g/mil	ASTM D1922
Tensile Strength at Yield MD/TD	1850/1400 psi	14/10 MPa	ASTM D882
Tensile Strength at Break MD/TD	8300/6650 psi	59/49 MPa	ASTM D882
Tensile Strength Elongation at Break MD/TD	450/560 %	450/560 %	ASTM D882
1% Secant Modulus MD/TD	24000/27300 psi	165/188 MPa	ASTM D882
Seal Initiation Temperature	216 °F	102 °C	ASTM F88 ²

1. Produced on a LLDPE line 2.5:1 BUR, 80 mil Die Gap, 8 in Die, 250 lbs/hr, 400 °F Melt Temperature
2. Temperature at which 0.3 lb/in heat seal strength is achieved. 0.5 s dwell, 30 psi pressure, 11.8 in/min separation rate.

Another quality product from

