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SUPERIOR FLEXIBLE PACKAGING RESINS

Marlex[®] 5429 Polyethylene

LOW DENSITY POLYETHYLENE (LDPE)

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

- Excellent openability
- Suited for high speed converting
- Good clarity
- Medium coefficient of friction

Typical cast film applications include:

- Converter film
- General purpose packaging

| Nominal Resin Properties | English | SI | Method |
|-----------------------------|---------|-------------------------|------------|
| Melt Index, 190 °C/2.16 kg | --- | 2.2 g/10 min | ASTM D1238 |
| Density | --- | 0.930 g/cm ³ | ASTM D1505 |
| Slip | 600 | 600 | --- |
| Antiblock | 10000 | 10000 | --- |
| Vicat Softening Temperature | 209 °F | 99 °C | ASTM D1525 |
| Melting Point | 232 °F | 111 °C | ASTM D3418 |

| Nominal Cast Film Properties at 1.25 mil ¹ | English | SI | Method |
|---|--|---|------------|
| Haze | 7 % | 7 % | ASTM D1003 |
| Gloss, 60° | 115 | 115 | ASTM D2457 |
| COF | 0.25 | 0.25 | ASTM D1894 |
| Dart | --- | 75 g/mil | ASTM D1709 |
| Elmendorf Tear MD | --- | 175 g/mil | ASTM D1922 |
| Elmendorf Tear TD | --- | 250 g/mil | ASTM D1922 |
| WVTR | 0.90 g/100in ² /day | 14 g/m ² /day | ASTM F1249 |
| OTR | 420 cm ³ /100in ² /day | 6300 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

Revision Date: June, 2016

Another quality product from



The Woodlands, Texas

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