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SUPERIOR FLEXIBLE PACKAGING RESINS

Marlex® 9659 Polyethylene

HIGH DENSITY POLYETHYLENE (HDPE)

This high density ethylene homopolymer is tailored for blown film applications that require:

- Good moisture vapor barrier properties
- Paper-like film texture
- Exceptional drawdown
- Excellent stiffness

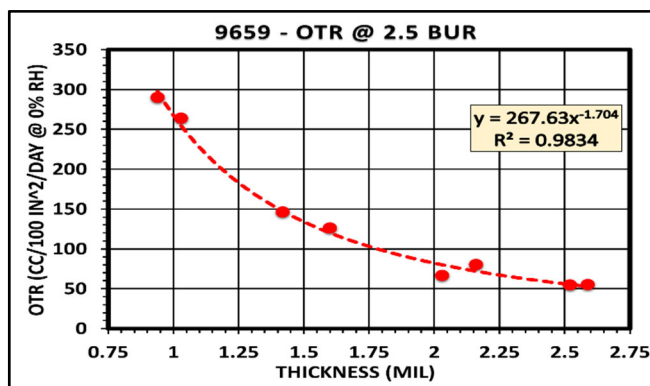
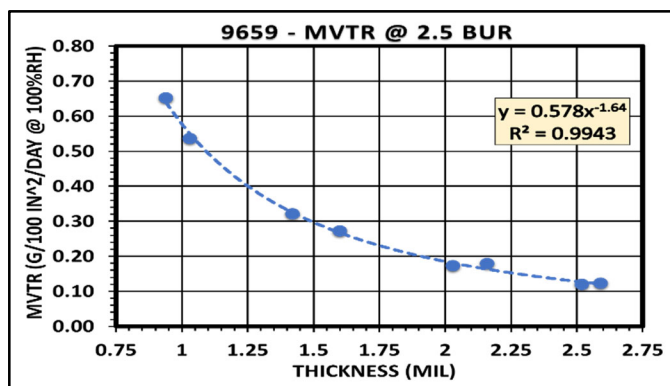
Typical blown film applications include:

- Food packaging
- Coextrusion applications
- Overwraps
- Deli wrap
- Moisture barrier films

| Nominal Resin Properties | English | SI | Method |
|----------------------------|---------|-------------------------|------------|
| Melt Index, 190 °C/2.16 kg | --- | 1 g/10 min | ASTM D1238 |
| Density | --- | 0.962 g/cm ³ | ASTM D1505 |

| Nominal Blown Film Properties ¹ @ 1 mil | English | SI | Method |
|--|---|--|------------|
| COF | 0.23 | 0.23 | ASTM D1894 |
| Dart | --- | < 50 g/mil | ASTM D1709 |
| Elmendorf Tear MD | --- | 10 g/mil | ASTM D1922 |
| Elmendorf Tear TD | --- | 400 g/mil | ASTM D1922 |
| Tensile Strength at Break MD | 7,000 psi | 48 MPa | ASTM D882 |
| Tensile Strength at Break TD | 5,000 psi | 34 MPa | ASTM D882 |
| 1 % Secant Modulus MD | 150,000 psi | 1,030 MPa | ASTM D882 |
| 1 % Secant Modulus TD | 225,000 psi | 1,550 MPa | ASTM D882 |
| WVTR (@ 2 mil) | 0.19 g/100in ² /day | 2.9 g/m ² /day | ASTM F1249 |
| OTR (@ 2 mil) | 82 cm ³ /100in ² /day | 1,273 cm ³ /m ² /day | ASTM D3985 |

1. Produced on a 3 in, 30:1 VLB, smooth bore extruder with an 8 in die @ 250 lb/h, 10 lb/h/in of die circumference, 2.5:1 BUR, 80 mil die pin.



Revision Date: July, 2020

Another quality product from



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