



DOWLEX™ 20665

Polyethylene Resin

Overview DOWLEX 20665 is a polyethylene resin for high quality blown film extrusion

Main Characteristics:

- Industrial and consumer blown film applications

Complies with:

- EU, No 10/2011
- U.S. FDA FCN 741

Consult the regulations for complete details.

Additive • Antiblock: No • Slip: No • Processing Aid: No

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|-------------------------|-------------------------|-------------|
| Density | 0.919 g/cm ³ | 0.919 g/cm ³ | ASTM D792 |
| Melt Index (190°C/2.16 kg) | 0.90 g/10 min | 0.90 g/10 min | ASTM D1238 |
| Films | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Film Thickness - Tested | 1 mil | 25 µm | |
| Film Puncture Energy (0.98 mil (25 µm)) | 31.0 in·lb | 3.50 J | Dow Method |
| Film Puncture Force (0.98 mil (25 µm)) | 10.8 lbf | 48.0 N | Dow Method |
| Tensile Strength | | | ASTM D882 |
| MD : Break, 0.98 mil (25 µm) | 5080 psi | 35.0 MPa | |
| TD : Break, 0.98 mil (25 µm) | 4640 psi | 32.0 MPa | |
| Tensile Elongation | | | ASTM D882 |
| MD : Break, 0.98 mil (25 µm) | 430 % | 430 % | |
| TD : Break, 0.98 mil (25 µm) | 610 % | 610 % | |
| Elmendorf Tear Strength ¹ | | | ASTM D1922 |
| MD : 0.98 mil (25 µm) | 250 g | 250 g | |
| TD : 0.98 mil (25 µm) | 580 g | 580 g | |

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

¹ Method B



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