# ExxonMobil Exceed™ 1018 DA Blown Film Resin (discontinued **)

**Category :** Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Blow Molding Grade

**Material Notes:**

Exceed 1018 resins are hexene copolymer produced using ExxonMobil Chemicals Exxpol® Technology. Films made from 1018 resins have outstanding tensile properties and impact and puncture toughness. These superior strength properties, along with excellent drawability, allow downguaging in bag applications.Information provided by ExxonMobil Chemical

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-1018-DA-Blown-Film-Resin-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|---|---|---|---|
| Density | 0.918 g/cc | 0.0332 lb/in³ | ExxonMobil Method |
| Thickness | 25.4 microns | 1.00 mil | |
| Melt Flow | 1.0 g/10 min | 1.0 g/10 min | ASTM D1238 |
| Antiblock Level | 4500 ppm | 4500 ppm | |

| Mechanical Properties | Metric | English | Comments |
|---|---|---|---|
| Film Tensile Strength at Yield, MD | 8.96 MPa | 1300 psi | at 2% offset; ASTM D882 |
| Film Tensile Strength at Yield, TD | 8.27 MPa | 1200 psi | at 2% offset; ASTM D882 |
| Film Elongation at Break, MD | 470 % | 470 % | ASTM D882 |
| Film Elongation at Break, TD | 550 % | 550 % | ASTM D882 |
| Puncture Energy | 1.80 J | 1.33 ft-lb | Exxon Mobil Method |
| Elmendorf Tear Strength, MD | 10.6 g/micron | 270 g/mil | ASTM D1922 |
| Elmendorf Tear Strength, TD | 17.3 g/micron | 440 g/mil | ASTM D1922 |
| Dart Drop | 22.8 g/micron | 580 g/mil | ASTM D1709A |
| Film Tensile Strength at Break, MD | 45.5 MPa | 6600 psi | ASTM D882 |
| Film Tensile Strength at Break, TD | 31.7 MPa | 4600 psi | ASTM D882 |
| 1% Secant Modulus, MD | 173 MPa | 25100 psi | ASTM D882 |
| 1% Secant Modulus, TD | 179 MPa | 26000 psi | ASTM D882 |

| Thermal Properties | Metric | English | Comments |
|---|---|---|---|
| Melting Point | 119 °C | 246 °F | Peak Melting Temperature; ExxonMobil Method |

| Optical Properties | Metric | English | Comments |
|---|---|---|---|
| Haze | 16 % | 16 % | ASTM D1003 |
| Gloss | 42 % | 42 % | 45°, MD; ASTM D2457 |
| | 43 % | 43 % | 45°, TD; ASTM D2457 |

| Descriptive Properties | Value | Comments |
|---|---|---|
| Features | PPA and Thermal Stabilizer | |

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