

ExxonMobil Exceed™ 1023JA Metallocene Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Product Description: Exceed 1023JA is a metallocene ethylene-hexene copolymer. Films made from Exceed 1023JA have outstanding tensile, impact strength and puncture. These superior strength properties, along with excellent drawability, makes this a very versatile packaging film. **Availability:** Latin America, North America and South America **Additive:**Antiblock: 4500 ppm **Slip:** No **Processing Aid:** Yes **Thermal Stabilizer:** Yes **Applications:** Bag in Box **Barrier Food Packaging** **Blown Film Form Fill and Seal Packaging** **Heavy Duty Bags** **Multilayer Packaging Film** **Packaging Films** **Premium Trash Bags** **Stand Up Pouches** Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-1023JA-Metallocene-Polyethylene-Resin.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|-------------------|
| Density | 0.923 g/cc | 0.0333 lb/in ³ | ExxonMobil method |
| Melt Flow | 1.0 g/10 min @Load 2.16 kg, Temperature 190 °C | 1.0 g/10 min @Load 4.76 lb, Temperature 374 °F | ASTM D1238 |
| Antiblock Level | 4500 ppm | 4500 ppm | |

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|----------|------------|-------------------|
| Film Tensile Strength at Yield, MD | 10.3 MPa | 1500 psi | ASTM D882 |
| Film Tensile Strength at Yield, TD | 10.3 MPa | 1500 psi | ASTM D882 |
| Film Elongation at Break, MD | 510 % | 510 % | ASTM D882 |
| Film Elongation at Break, TD | 610 % | 610 % | ASTM D882 |
| Puncture Energy | 2.49 J | 1.83 ft-lb | ExxonMobil Method |
| Elmendorf Tear Strength MD | 260 g | 260 g | ASTM D1922 |
| Elmendorf Tear Strength TD | 500 g | 500 g | ASTM D1922 |
| Dart Drop Test | 260 g | 0.573 lb | ASTM D1709 |
| Film Tensile Strength at Break, MD | 52.4 MPa | 7600 psi | ASTM D882 |
| Film Tensile Strength at Break, TD | 41.4 MPa | 6000 psi | ASTM D882 |
| 1% Secant Modulus, MD | 228 MPa | 33000 psi | ASTM D882 |
| 1% Secant Modulus, TD | 241 MPa | 35000 psi | ASTM D882 |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
|--------------------|--------|---------|----------|

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|----------------------------------|
| Melting Point | 175 °C | 175 °F | Melting Point; ExxonMobil method |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|-----------------|
| Haze | 26 % | 26 % | ASTM D1003 |
| Gloss | 39 % | 39 % | 45°; ASTM D2457 |

| Descriptive Properties | Value | Comments |
|------------------------|--------|-------------------|
| Puncture Force | 10 lbf | ExxonMobil Method |

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