

# Exceed™ 0019IM

## Performance Polymer

### Product Description

Exceed 0019IM is a narrow molecular weight ethylene 1-hexene copolymer designed for injection molding applications that require easy processability. This resin offers outstanding organoleptic properties and excellent toughness and tear resistance in freezer applications for food packaging.

### General

Availability <sup>1</sup>	<ul style="list-style-type: none"> <li>▪ Africa &amp; Middle East</li> <li>▪ Asia Pacific</li> </ul>	<ul style="list-style-type: none"> <li>▪ Europe</li> <li>▪ Latin America</li> </ul>	<ul style="list-style-type: none"> <li>▪ North America</li> </ul>
Additive	<ul style="list-style-type: none"> <li>▪ Thermal Stabilizer: Yes</li> </ul>		
Applications	<ul style="list-style-type: none"> <li>▪ Closures</li> <li>▪ Dispensers</li> <li>▪ Housewares</li> </ul>	<ul style="list-style-type: none"> <li>▪ Kitchenwares</li> <li>▪ Lids</li> <li>▪ Protective Caps</li> </ul>	<ul style="list-style-type: none"> <li>▪ Seals</li> </ul>
Revision Date	<ul style="list-style-type: none"> <li>▪ 02/23/2018</li> </ul>		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.918 g/cm <sup>3</sup>	0.918 g/cm <sup>3</sup>	ASTM D1505
Melt Index (190°C/2.16 kg)	19 g/10 min	19 g/10 min	ASTM D1238

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	203 °F	95 °C	ASTM D1525
Peak Melting Temperature	237 °F	114 °C	ASTM D3418

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield 2.0 in/min (50 mm/min)	1500 psi	10 MPa	ASTM D638
Elongation at Break	690 %	690 %	ExxonMobil Method
Flexural Modulus 1% Secant 2% Secant	51000 psi 45000 psi	350 MPa 310 MPa	ASTM D790
Environmental Stress-Crack Resistance 10% Igepal, F50	10 hr	10 hr	ASTM D1693B

### Additional Information

- Properties are based on compression molded samples.
- Test procedures may be modified to accommodate operating conditions or facility limitations.
- Tensile Strength at Yield and Elongation at Break tested using ASTM D638 Type IV, 50 mm/min.

### Notes

Typical properties: these are not to be construed as specifications.

<sup>1</sup> Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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For additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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