ExxonMobil

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 [1]	▪ Africa & Middle East ▪ Asia Pacific	▪ Europe ▪ Latin America	▪ North America
Additive	▪ Thermal Stabilizer: Yes		
Applications	▪ Closures ▪ Dispensers ▪ Housewares	▪ Kitchenwares ▪ Lids ▪ Protective Caps	▪ Seals
Revision Date	▪ 02/23/2018		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.918	g/cm³	0.918	g/cm³	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					ASTM D638
2.0 in/min (50 mm/min)	1500	psi	10	MPa	
Elongation at Break	690	%	690	%	ExxonMobil Method
Flexural Modulus					ASTM D790
1% Secant	51000	psi	350	MPa	
2% Secant	45000	psi	310	MPa	
Environmental Stress-Crack Resistance					ASTM D1693B
10% Igepal, F50	10	hr	10	hr	

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.

[1] 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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