Product Datasheet

ExxonMobil Signature Polymers

Exceed™ m 19018IM

Metallocene Polyethylene

Product Description

Exceed™ m 19018IM resin 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
Form(s)	▪ Pellets		
Revision Date	▪ 06/03/2020		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density / Specific Gravity	0.918	g/cm³	0.918	g/cm³	ASTM D792
Melt Index (190°C/2.16 kg)	19	g/10 min	19	g/10 min	ASTM D1238
Peak Melting Temperature	235	°F	113	°C	ExxonMobil Method

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	203	°F	95.0	°C	ExxonMobil Method

Molded Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Yield					ExxonMobil Method
2.0 in/min (50 mm/min)	1600	psi	11	MPa	
Elongation at Break (2.0 in/min (50 mm/min))	720	%	720	%	ExxonMobil Method
Flexural Modulus					ExxonMobil Method
1% Secant : Procedure B	53000	psi	370	MPa	
2% Secant : Procedure B	47000	psi	320	MPa	
Environmental Stress-Crack Resistance					ExxonMobil Method
Condition B, 10% Igepal, F50	20	hr	20	hr	

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

Processing Statement

All physical properties were measured on compression molded specimens.

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.

Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene

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For additional technical, sales and order assistance: Contact Us

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Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene