Product Datasheet

ExxonMobil Signature Polymers

Exceed™ Flow m 0535

Metallocene Polyethylene

Product Description

Exceed™ Flow m 0535 is a medium density ethylene 1-hexene copolymer that offers an outstanding balance between extrusion processing and properties, including long term hydrostatic strength, gloss, and flexibility. Exceed™ Flow m 0535.RT has hydrostatic strength of PE-RT type 1 according to ISO 22391.

General

Availability [1]	▪ Africa & Middle East ▪ Asia Pacific	▪ Europe ▪ Latin America	▪ North America
Additive	▪ Thermal Stabilizer: Yes	▪ Metal Deactivator: Yes	
Applications	▪ Hot and cold water pipe	▪ Molding	
Form(s)	▪ Pellets		
Revision Date	▪ 03/04/2021		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density / Specific Gravity	0.935	g/cm³	0.935	g/cm³	ASTM D792
Melt Index (190°C/2.16 kg)	0.50	g/10 min	0.50	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	2.2	g/10 min	2.2	g/10 min	ASTM D1238
Peak Melting Temperature	255	°F	124	°C	ExxonMobil Method

Molded Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Stress (2.0 in/min (51 mm/min))	5500	psi	38	MPa	ASTM D638
Tensile Strength at Yield					ASTM D638
2.0 in/min (51 mm/min)	2800	psi	19	MPa	
Elongation at Yield (2.0 in/min (51 mm/min))	10	%	10	%	ASTM D638
Flexural Modulus - 1% Secant	110000	psi	730	MPa	ASTM D790B
Environmental Stress-Crack Resistance					ASTM D1693
10% Igepal	> 10000	hr	> 10000	hr	
Durometer Hardness (Shore D, 15 sec)	55		55		ASTM D2240

Legal Statement

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

Product Datasheet

ExxonMobil

Exceed™ Flow m 0535
Metallocene Polyethylene

For additional technical, sales and order assistance: Contact Us

©2025 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Product Solutions" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Product Solutions Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

exxonmobilchemical.com

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