ExxonMobil Signature Polymers

ExxonMobil™ EVA 04013.MJ Molding

(Legacy name: Escorene™ Ultra LD 705.MJ Molding)

Ethylene Vinyl Acetate Copolymer

Product Description

ExxonMobil™ EVA 04013.MJ is a fractional MI, 12.8% VA copolymer suitable for use in making blow molded articles, extruded profiles and compounds.

General

Availability [1]	▪ Asia Pacific	▪ Latin America	▪ North America
Additive	▪ Thermal Stabilizer: Yes		
Applications	▪ Bonding Adhesives ▪ Compounding	▪ Flexible Hoses ▪ Profile Extrusion	▪ Tube Extrusion ▪ Viscosity Modifier
Revision Date	▪ 06/11/2020		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.935	g/cm³	0.935	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	0.40	g/10 min	0.40	g/10 min	ExxonMobil Method
Vinyl Acetate Content	12.8	wt%	12.8	wt%	ExxonMobil Method
Peak Melting Temperature	201	°F	94	°C	ExxonMobil Method

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	167	°F	75.0	°C	ExxonMobil Method

Molded Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Yield	1000	psi	7.2	MPa	ExxonMobil Method
Tensile Strength at Break	2300	psi	16	MPa	ExxonMobil Method
Elongation at Yield	110	%	110	%	ExxonMobil Method
Elongation at Break	656	%	656	%	ExxonMobil Method
Flexural Modulus - 1% Secant	12000	psi	86	MPa	ExxonMobil Method
Durometer Hardness (Shore D, 15 sec)	36		36		ExxonMobil Method

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Instrumented Dart Impact					ExxonMobil Method
-40°F (-40°C)	17	ft·lb	23	J	
73°F (23°C)	15	ft·lb	20	J	

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.

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For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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