

Escorene™ Ultra LD 705.MJ Molding

Ethylene Vinyl Acetate Copolymer Resin

Product Description

Escorene Ultra LD 705.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	▪ 03/01/2010		

Resin Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.935 g/cm ³	0.935 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	0.40 g/10 min	0.40 g/10 min	ASTM D1238
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	171 °F	77 °C	ASTM D1525

Molded Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield	920 psi	6.3 MPa	ASTM D638
Tensile Strength at Break	2300 psi	16 MPa	ASTM D638
Elongation at Yield	180 %	180 %	ASTM D638
Elongation at Break	> 800 %	> 800 %	ASTM D638
Flexural Modulus - 1% Secant	13000 psi	88 MPa	ASTM D790
Durometer Hardness			ASTM D2240
Shore A, 15 sec	77	77	
Shore D, 15 sec	39	39	

Impact

	Typical Value (English)	Typical Value (SI)	Test Based On
Instrumented Dart Impact			ASTM D3763
-40°F (-40°C)	24 ft-lb	33 J	
73°F (23°C)	14 ft-lb	19 J	

Legal Statement

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

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

Processing Statement

The test specimens were prepared using ASTM D4703, Procedure C.

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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