

Escorene™ Ultra LD 706.15 Molding

Ethylene Vinyl Acetate Copolymer Resin

Product Description

LD 706.15 is a 14.9 wt% vinyl acetate copolymer designed for specialty molding, extrusion and compounding applications.

General

Availability ¹	▪ Asia Pacific	▪ Latin America	▪ North America
Additive	▪ Thermal Stabilizer: Yes		
Applications	▪ Cap Seals and Liners	▪ Compounding	▪ Masterbatch Base Resin
Revision Date	▪ 03/01/2010		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.934 g/cm ³	0.934 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	8.5 g/10 min	8.5 g/10 min	ASTM D1238
Vinyl Acetate Content	14.9 wt%	14.9 wt%	ExxonMobil Method
Peak Melting Temperature	190 °F	88 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	142 °F	61 °C	ASTM D1525

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield	770 psi	5.3 MPa	ASTM D638
Tensile Strength at Break	1300 psi	9.1 MPa	ASTM D638
Elongation at Yield	130 %	130 %	ASTM D638
Elongation at Break	> 800 %	> 800 %	ASTM D638
Flexural Modulus - 1% Secant	8700 psi	60 MPa	ASTM D790
Durometer Hardness			ASTM D2240
Shore A, 15 sec	79	79	
Shore D, 15 sec	33	33	

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Instrumented Dart Impact			ASTM D3763
-40°F (-40°C)	20 ft·lb	27 J	
73°F (23°C)	11 ft·lb	15 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

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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