ExxonMobil

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/cm³	0.934	g/cm³	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	

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