

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

Additive	▪ Thermal Stabilizer: Yes		
Applications	▪ Cap Seals and Liners	▪ Compounding	▪ Masterbatch Base Resin

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.935 g/cm ³	0.935 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	8.5 g/10 min	8.5 g/10 min	ExxonMobil Method
Vinyl Acetate Content	14.9 wt%	14.9 wt%	ExxonMobil Method
Peak Melting Temperature	192 °F	89 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	138 °F	59 °C	ASTM D1525

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield	830 psi	5.7 MPa	ASTM D638
Tensile Strength at Break	1500 psi	10 MPa	ASTM D638
Elongation at Yield	100 %	100 %	ASTM D638
Elongation at Break	630 %	630 %	ASTM D638
Flexural Modulus - 1% Secant	9500 psi	66 MPa	ASTM D790
Durometer Hardness (Shore D, 15 sec)	31	31	ASTM D2240

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Instrumented Dart Impact			ASTM D3763
-40°F (-40°C)	16 ft·lb	22 J	
73°F (23°C)	11 ft·lb	15 J	

