

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

Additive	▪ Thermal Stabilizer: Yes		
Applications	▪ Bonding Adhesives	▪ Flexible Hoses	▪ Tube Extrusion
	▪ Compounding	▪ Profile Extrusion	▪ Viscosity Modifier

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)	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 °C	ASTM D1525

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield	1000 psi	7.2 MPa	ASTM D638
Tensile Strength at Break	2300 psi	16 MPa	ASTM D638
Elongation at Yield	110 %	110 %	ASTM D638
Elongation at Break	660 %	660 %	ASTM D638
Flexural Modulus - 1% Secant	12000 psi	86 MPa	ASTM D790
Durometer Hardness (Shore D, 15 sec)	36	36	ASTM D2240

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Instrumented Dart Impact			ASTM D3763
-40°F (-40°C)	17 ft·lb	23 J	
73°F (23°C)	15 ft·lb	20 J	

