

# Escorene™ Ultra LD 713.93 Molding

## Ethylene Vinyl Acetate Copolymer Resin

### Product Description

Escorene Ultra LD 713.93 is a 14.4% vinyl acetate copolymer with very good toughness, high clarity and excellent processability. It is suitable for use in making molded articles, extruded profiles and compounds.

### General

Additive	▪ Thermal Stabilizer: Yes	
Applications	▪ Compounding	▪ Profile Extrusion
	▪ Flexible Hoses	▪ Tube Extrusion

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.934 g/cm <sup>3</sup>	0.934 g/cm <sup>3</sup>	ASTM D1505
Melt Index (190°C/2.16 kg)	3.5 g/10 min	3.5 g/10 min	ExxonMobil Method
Vinyl Acetate Content	14.4 wt%	14.4 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	144 °F	62 °C	ASTM D1525

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield	840 psi	5.8 MPa	ASTM D638
Tensile Strength at Break	1900 psi	13 MPa	ASTM D638
Elongation at Yield	110 %	110 %	ASTM D638
Elongation at Break	620 %	620 %	ASTM D638
Flexural Modulus - 1% Secant	10000 psi	71 MPa	ASTM D790
Durometer Hardness			ASTM D2240
Shore A, 15 sec	85	85	
Shore D, 15 sec	31	31	

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)	15 ft·lb	20 J	

