

Escorene™ Ultra LD 728.61

Ethylene Vinyl Acetate Copolymer Resin

Product Description

Escorene Ultra LD 728.61 is a high vinyl acetate copolymer with a low melting temperature and excellent strength properties and toughness.

General

Additive	▪ Thermal Stabilizer: Yes		
Applications	▪ Foams	▪ Profile Extrusion	
	▪ Injection Molding	▪ Shoe Soles	

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.935 g/cm ³	0.935 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	2.0 g/10 min	2.0 g/10 min	ASTM D1238
Vinyl Acetate Content	18.2 wt%	18.2 wt%	ExxonMobil Method
Peak Melting Temperature	189 °F	87 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	147 °F	64 °C	ASTM D1525

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield	760 psi	5.2 MPa	ASTM D638
Tensile Strength at Break	1700 psi	11 MPa	ASTM D638
Elongation at Yield	260 %	260 %	ASTM D638
Elongation at Break	> 800 %	> 800 %	ASTM D638
Flexural Modulus - 1% Secant	8800 psi	60 MPa	ASTM D790
Durometer Hardness			ASTM D2240
Shore A, 15 sec	76	76	
Shore D, 15 sec	36	36	

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Instrumented Dart Impact			ASTM D3763
-40°F (-40°C)	26 ft-lb	35 J	
73°F (23°C)	13 ft-lb	18 J	

