

Escorene™ Ultra FL 00309

Ethylene Vinyl Acetate Copolymer Resin
ExxonMobil Chemical

Message:

FL 00309 is a copolymer of ethylene and vinyl acetate. When the processing temperature is higher than 270 C (518 °F) in processing conditions, resin degradation may be caused.

General Information			
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Vinyl Acetate Content	9.4	wt%	ExxonMobil Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	93		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	78.0	MPa	ISO 527-2/1
Tensile Strain (Break)	> 100	%	ISO 527-2/1A/100
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	100	MPa	ASTM D882
1% secant, TD	110	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	25.0	MPa	ASTM D882
TD: Fracture	24.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	500	%	ASTM D882
TD: Fracture	600	%	ASTM D882
Dart Drop Impact	360	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	80	g	ASTM D1922
TD	130	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	74.4	°C	ASTM D1525
Legal statement			

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