

Escorene™ Ultra FL 00206

Ethylene Vinyl Acetate Copolymer Resin
ExxonMobil Chemical

Message:

FL 00206 is a copolymer of ethylene and vinyl acetate. When the processing temperature is higher than 280 C (536 °F) in processing conditions, resin degradation may be caused. The machine should be thoroughly cleaned with low density polyethylene or suitable detergent before stopping.

General Information			
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Vinyl Acetate Content	6.5	wt%	ExxonMobil Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	94		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	105	MPa	ISO 527-2/1A/1
Tensile Strain (Break)	> 100	%	ISO 527-2/1A
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	120	MPa	ASTM D882
1% secant, TD	140	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	24.0	MPa	ASTM D882
TD: Fracture	22.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	400	%	ASTM D882
TD: Fracture	600	%	ASTM D882
Dart Drop Impact	280	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	130	g	ASTM D1922
TD	130	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	81.0	°C	ASTM D1525
Legal statement			

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