

Escorene™ Ultra FL 00209

Ethylene Vinyl Acetate Copolymer Resin

ExxonMobil Chemical

Message:

FL 00209 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. 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)	2.1	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)	94		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	110	MPa	ASTM D638
Tensile Elongation ² (Break)	> 100	%	ASTM D638
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	100	MPa	ASTM D882
1% secant, TD	100	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	30.0	MPa	ASTM D882
TD: Fracture	26.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	510	%	ASTM D882
TD: Fracture	650	%	ASTM D882
Dart Drop Impact	370	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	110	g	ASTM D1922
TD	170	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	78.0	°C	ASTM D1525
Legal statement			
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NOTE			
1.	5.0 mm/min		
2.	500 mm/min		

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