

Escorene™ Ultra FL 00018

Ethylene Vinyl Acetate Copolymer Resin

ExxonMobil Chemical

Message:

FL 00018 is a copolymer of ethylene and vinyl acetate. It has the characteristics of toughness, good optical properties, heat sealing properties and low crystal point. Especially its good performance in high frequency welding and radio frequency is highly valued.

General Information			
Additive	heat stabilizer		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.37	g/10 min	ASTM D1238
Vinyl Acetate Content	17.5	wt%	ExxonMobil Method
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	45.0	MPa	ASTM D882
1% secant, TD	50.0	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	36.0	MPa	ASTM D882
TD: Fracture	36.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	610	%	ASTM D882
TD: Fracture	660	%	ASTM D882
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	68.0	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	92		ASTM D2457
Haze	0.90	%	ASTM D1003
Legal statement			

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