

Exelene® EVA

Product Data Sheet

Ethylene Vinyl Acetate

Extrusion: Film

Injection and Blow Molding

No additives

EVA218

Melt Flow Rate 2

VA Content 18%

Applications

- Blown Film: lamination, carpet backing, bags and pouches
- Wire and Cable
- Cast film applications / Stretch Film

Characteristics

- The Exelene resin EVA218 meets the requirements of section 177.1520, paragraph C, from chapter 21 denominated "Olefin Polymers" from the Code of Federal Regulations of the FDA, to be utilized with direct food contact.

Grade	Additives Package
Exelene EVA218	No additives

Properties	ASTM Testing	Units	Values
Resin Properties			
Melt Flow Rate	MF ₂ D 1238 (190°C; 2,16 kgf)	g/10 min	2
Vinyl Acetate Content		%	18
Density	D1505	g/cm ³	0.942
Blown Film Properties with thickness of 2 mils = 51 micron			
Tensile Strength @ break (1)	MD	psi	4,900
	TD	psi	4,600
Tensile Strength @ Yield (1)	MD	psi	670
	TD	psi	600
Elongation @ break	MD	%	560
	TD	%	670
Elongation @ Yield	MD	%	14
	TD	%	12
Impact Resistance by the Free Falling Dart Method	D 1709	g/mil	600
Gloss (45°)	D 2457		90
Opacity / Haze	D 1003	%	1.3

(1) MD = Machine Direction and TD = Transversal Direction

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