

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 addiives

Properties	ASTM Testing	Units	Values	
Resin Properties				
Melt Flow Rate	MFI 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	D 882	psi	4,900
	TD		psi	4,600
Tensile Strength @ Yield (1)	MD	D 882	psi	670
	TD		psi	600
Elongation @ break	MD	D 882	%	560
	TD		%	670
Elongation @ Yield	MD	D 882	%	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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