Ateva® 1821A

Sunday, November 3, 2019

Celanese EVA Performance Polymers - Ethylene Vinyl Acetate Copolymer

General Information

Product Description

This resin is commonly used for coextrusion due to its superior sealability and strength.

General		
Material Status	• Commercial: Active	
Availability	• Europe	• North America
Additive	• Antioxidant	
Features	• Antioxidant • Copolymer	• Good Heat Seal • Good Strength
Uses	• Film	
Agency Ratings	• EC 1907/2006 (REACH)	
Forms	• Pellets	
Processing Method	• Coextrusion	• Extrusion

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.938	g/cm³	ASTM D1505
Melt Mass-Flow Rate (190°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Vinyl Acetate Content	18.0	wt%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Flexural Modulus - 1% Secant	6530	psi	ASTM D790
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength - MD [2] (Break)	3340	psi	ASTM D882A
Tensile Strength - TD [2] (Break)	3920	psi	ASTM D882A
Tensile Elongation - MD [2] (Break)	460	%	ASTM D882A
Tensile Elongation - TD [2] (Break)	620	%	ASTM D882A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	138	°F	ASTM D1525
Peak Melting Temperature	189	°F	ASTM D3418

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	< 410	°F

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 20 in/min