Ateva® 1221

Sunday, November 3, 2019

Celanese EVA Performance Polymers - Ethylene Vinyl Acetate Copolymer

General Information

Product Description

This resin is commonly used for coextrusion and blending applications where superior strength, good heat seal, and hot tack characteristics are required.

General

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

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.932	g/cm³	ASTM D1505
Melt Mass-Flow Rate (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Vinyl Acetate Content	12.0	wt%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Flexural Modulus - 1% Secant	12200	psi	ASTM D790
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength - MD [2] (Break)	3920	psi	ASTM D882A
Tensile Strength - TD [2] (Break)	4060	psi	ASTM D882A
Tensile Elongation - MD [2] (Break)	400	%	ASTM D882A
Tensile Elongation - TD [2] (Break)	510	%	ASTM D882A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	172	°F	ASTM D1525
Peak Melting Temperature	207	°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