



Ateva® 1070

Celanese EVA Performance Polymers - Ethylene Vinyl Acetate Copolymer

Sunday, November 3, 2019

General Information

Product Description

This is a multi-purpose resin commonly used for flexible packaging coextrusion to provide superior sealability, opticals, and strength, high quality microcellular crosslinked foam, extrusion, injection molding, and tubing applications.

General

Material Status	• Commercial: Active
Availability	• Europe • North America
Features	• Copolymer • Good Optical Properties • High Strength
Uses	• Foam • Packaging • Tubing
Agency Ratings	• EC 1907/2006 (REACH)
Forms	• Pellets
Processing Method	• Coextrusion • Extrusion • Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.931	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (190°C/2.16 kg)	2.8	g/10 min	ASTM D1238
Vinyl Acetate Content	9.0	wt%	
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus - 1% Secant	14600	psi	ASTM D790
Films	Nominal Value	Unit	Test Method
Tensile Strength - MD ² (Break)	2470	psi	ASTM D882A
Tensile Strength - TD ² (Break)	2610	psi	ASTM D882A
Tensile Elongation - MD ² (Break)	400	%	ASTM D882A
Tensile Elongation - TD ² (Break)	600	%	ASTM D882A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	178	°F	ASTM D1525
Peak Melting Temperature	214	°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