



Ateva® 1231

Celanese EVA Performance Polymers - Ethylene Vinyl Acetate Copolymer

Sunday, November 3, 2019

General Information

Product Description

This resin is commonly used for high quality microcellular crosslinked foam applications.

General

Material Status	• Commercial: Active	
Availability	• Europe	• North America
Features	• Copolymer	• Crosslinkable
Uses	• Foam	
Agency Ratings	• EC 1907/2006 (REACH)	
Forms	• Pellets	
Processing Method	• Foam Processing	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.934	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (190°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Vinyl Acetate Content	12.0	wt%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Break)	2320	psi	ASTM D638
Tensile Elongation ² (Break)	730	%	ASTM D638
Flexural Modulus - 1% Secant	11900	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	95		
Shore D	42		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	167	°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 Type IV, 2.0 in/min