Ateva® 1813

Sunday, November 3, 2019

Celanese EVA Performance Polymers - Ethylene Vinyl Acetate Copolymer

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	• Foamable
Uses	• Foam		
Agency Ratings	• EC 1907/2006 (REACH)		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.937	g/cm³	ASTM D1505
Melt Mass-Flow Rate (190°C/2.16 kg)	1.6	g/10 min	ASTM D1238
Vinyl Acetate Content	18.0	wt%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Break)	2900	psi	ASTM D638
Tensile Elongation [2] (Break)	740	%	ASTM D638
Flexural Modulus - 1% Secant	6960	psi	ASTM D790
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A	93		
Shore D	37		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	147	°F	ASTM D1525
Peak Melting Temperature	190	°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