EVA Performance Polymers - Ethylene Vinyl Acetate Copolymer

General Information

Product Description

This resin is commonly used for hot melt coating and adhesive, foam, and compounding applications.

General			
Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Features	• Copolymer		
Uses	• Acoustic Barrier • Adhesives • Automotive Applications	• Coating Applications • Compounding • Foam	• Sealants
Agency Ratings	• EC 1907/2006 (REACH)		
Forms	• Pellets		
Processing Method	• 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**
Tensile Strength [2] (Break)	2180	psi	ASTM D638
Tensile Elongation [2] (Break)	680	%	ASTM D638
Flexural Modulus - 1% Secant	7540	psi	ASTM D790
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	90		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Peak Melting Temperature	189	°F	ASTM D3418
Ring and Ball Softening Point	172	°C	ASTM E28

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

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