

# Evatane® 28-03

## Ethylene Vinyl Acetate Copolymer

### Arkema



Prospector

#### Product Description

EVATANE® 28-03 is a random copolymer of Ethylene and Vinyl Acetate made by high-pressure radical polymerisation process. EVATANE® 28-03 is stabilized with antioxidants.

The High Vinyl Acetate content of EVATANE® 28-03 brings softness, flexibility and polarity. EVATANE® 28-03 is compatible with tackifying resins and waxes. It's a useful product for hot melt adhesives formulation. EVATANE® 28-03 delivers high cohesive strength with any kind of fillers (masterbatches, HFFR compounds, sound dampening). EVATANE® 28-03 is also very well adapted for the production of cast or blown films.

#### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America • South America
Additive	• Antioxidant		
Features	• Antioxidant • Good Flexibility	• Random Copolymer • Soft	
Forms	• Pellets		
Processing Method	• Blown Film	• Casting	

Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0 to 4.5	g/10 min	ASTM D1238

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	26.0	MPa	ASTM D638 ISO 527-2
Tensile Elongation (Break)	700 to 1000	%	ASTM D638 ISO 527-2

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	82		ASTM D2240 ISO 868

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	41.0	°C	ASTM D1525 ISO 306
Melting Temperature	76.0	°C	DSC

#### Additional Information

Vinyl Acetate Content, FTIR (internal): 26-28%wt.  
Ring & Ball Temp, ASTM E28: 166°C  
Max Melt Temp:<230°C

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

#### Revision History

Document Created: Friday, December 18, 2009  
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