

# Evatane® 18-500

Ethylene Vinyl Acetate Copolymer

Arkema

## Message:

EVATANE® 18-150 is a random copolymer of Ethylene and Vinyl Acetate made by high-pressure radical polymerisation process. The high Vinyl Acetate content of EVATANE® 18-500 brings softness, flexibility and polarity. EVATANE® 18-500 is compatible with most tackifying resins and waxes. Combined with a high fluidity, it is an efficient and easy handling product for hot melt adhesives formulations. It can also be used as an additive for bitumen modification.

General Information			
Features	Good Flexibility		
	Good Flow		
	Random Copolymer		
	Soft		
Uses	Adhesives		
	Asphalt Modification		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.940	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	450 to 550	g/10 min	ASTM D1238, ISO 1133
Vinyl Acetate Content	17.0 to 19.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	6.00	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	600 to 900	%	ASTM D638, ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	43.0	°C	ISO 306/A, ASTM D1525 <sup>1</sup>
Melting Temperature	86.0	°C	ISO 11357-3
Ring and Ball Softening Point <sup>2</sup>	94	°C	ASTM E28
NOTE			
1.	Loading 1 (10 N)		
2.	NF EN 1238		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: [sales@su-jiao.com](mailto:sales@su-jiao.com)

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

