

Evatane® 24-03

Ethylene Vinyl Acetate Copolymer

Arkema

Message:

EVATANE® 24-03 is a random copolymer of Ethylene and Vinyl Acetate made by high-pressure radical polymerization process. The high Vinyl Acetate content of EVATANE® 24-03 brings softness, flexibility and polarity. EVATANE® 24-03 delivers high cohesive strength with most fillers and can be used to produce masterbatches or HFFR compounds, and can be used as an additive for bitumen modification. EVATANE® 24-03 is also suitable for film (cast or blown) extrusion, and exhibits good adhesion onto PE, PS and polyesters.

General Information			
Features	Good Adhesion		
	Good Flexibility		
	Random Copolymer		
	Soft		
Uses	Asphalt Modification		
	Blown Film		
	Cast Film		
	Masterbatch		
Forms	Pellets		
Processing Method	Blown Film		
	Casting		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.940	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5 to 3.5	g/10 min	ASTM D1238, ISO 1133
Vinyl Acetate Content	23.0 to 25.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	83		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	27.0	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	46.0	°C	ISO 306/A, ASTM D1525 ¹
Melting Temperature	80.0	°C	ISO 11357-3
Ring and Ball Softening Point ²	183	°C	ASTM E28
NOTE			
1.	Loading 1 (10 N)		

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