

# Evateno® HM-728

Ethylene Vinyl Acetate Copolymer

Braskem

## Message:

Evateno ® HM 728 is a copolymer of Ethylene-Vinyl Acetate (EVA) with high vinyl-acetate content, medium molecular weight, and good compatibility with other thermoplastic and elastomeric resins. Evateno ® HM 728 offers good compatibility with other olefin resins and can be used in blends with other polyethylenes to improve environmental stress cracking resistance (ESCR), impact resistance and brittleness at low temperatures. It contains antioxidant additive.

### Application:

Hot-melt adhesives, coatings, expanded parts, and injection molded and extrusion molded parts where flexibility, resilience and environmental stress crack resistance (ESCR) are required. Hot-melt adhesives formulation presents excellent compatibility with wax, paraffins and tackifiers, improving flexibility and adherence.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
	Foamable		
	Good Flexibility		
	Good Impact Resistance		
	High ESCR (Stress Crack Resist.)		
Uses	Medium Molecular Weight		
	Adhesives		
	Coating Applications		
	Foam		
	Microfoamed Sheet		
	Sheet		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 2.00 mm, 100% Igepal, Compression Molded, F50)	> 300	hr	ASTM D1693
Vinyl Acetate Content	28.0	wt%	
Hardness	Nominal Value	Unit	Test Method

Durometer Hardness			ASTM D2240
Shore A, Compression Molded	80		
Shore D, Compression Molded	25		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	49.0	°C	ASTM D1525 <sup>1</sup>
Melting Temperature	77.0	°C	DSC
NOTE			

1. Loading 1 (10 N)

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