

Ethylene-Vinyl Acetate Copolymer Evateno® HM 728

Description:

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.

Control Properties:

	ASTM Method	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	6.0
Vinyl-Acetate Content	Braskem1	% (w/w)	28.0

Typical Properties:

Plaque Properties^a

	ASTM Method	Units	Values
Density	D 1505 / D 792	g/cm ³	0.950
Hardness	D 2240	Shore A / D	80 / 25
Environmental Stress Cracking Resistance (ESCR) ^b	D 1693	h/F50	>300
Melting Point	D 3418	°C	77
Vicat Softening Temperature at 10 N	D 1525	°C	49

(1) Braskem test method available for customers.

(a) Test specimens prepared from compression molded plate according to ASTM D 4703.

(b) Compression molded 2 mm thickness, 0.3 mm notched-plaques; 100% Igepal; 50°C.

