

## Ethylene-Vinyl Acetate Copolymer Evateno® HM 150

### Description:

Evateno® HM 150 is a copolymer of Ethylene-Vinyl Acetate (EVA) with medium vinyl-acetate content, very low molecular weight, and easily crosslinkable. Evateno® HM-150 offers good compatibility with other thermoplastic and elastomeric resins. It can be used in blends with other polyethylenes to improve the environmental stress cracking resistance (ESCR), flexibility and fatigue resistance. It contains antioxidant additive.

### Application:

Hot-melt adhesives, coating, polyethylene blends and injection molded parts where flexibility and environmental stress crack resistance (ESCR) are required. Hot-melt adhesive formulation presents excellent compatibility with wax, paraffins, tackifiers, polymeric blends and asphalt blends.

### Control Properties:

	ASTM Method	Units	Values
Melt Flow Rate (190/2.,16)	D 1238	g/10 min	150
Vinyl-Acetate Content	Braskem1	% (w/w)	20.0

### Typical Properties:

#### Plaque Properties<sup>a</sup>

	ASTM Method	Units	Values
Density	D 1505 / D 792	g/cm <sup>3</sup>	0.940
Hardness	D 2240	Shore A / D	83 / 27
Environmental Stress Cracking Resistance (ESCR) <sup>b</sup>	D 1693	h/F50	>300
Melting Point	D 3418	°C	83
Vicat Softening Temperature at 10 N	D 1525	°C	46

(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.

