

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.

Final Remarks:

1. This resin meets the requirements for "Ethylene-Vinyl Acetate Copolymers", as defined in 21 CFR, section 177.1350 issued by FDA – Food and Drugs Administration in force on the date of publication of this specification. The additives present are covered in appropriate regulation by FDA.
2. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
3. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
4. In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
5. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. CAS Registry number: 24937-78-8.
6. The mentioned values in this report can be changed at any moment without Braskem previous communication.
7. Braskem does not recommend this grade for packages, parts or any kind of product manufacture that will be used for storage or contact with solution that will have internal contact with human body.
8. The content of this Data Sheet replaces previous revisions published for this product.
9. This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.

