

## Ethylene-Vinyl Acetate Copolymer HM 728F

### Description:

HM 728 is a copolymer of Ethylene-Vinyl Acetate (EVA) with high vinyl-acetate content, containing low gel, exhibits low hardness, good optical properties and low temperature of heat seal.

### Additives:

Contain Antioxidant.

### Application:

HM728F is suitable for film application allow to be processed on blown or cast film equipment, with improving adhesion on many substrates: OPP, PVDC, PS.

### Typical Properties:

Resin Properties	ASTM Method	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	6.0
Vinyl-Acetate Content	FTIR (Braskem)(1)	% (w/w)	28.0
Density	D 792	g/cm3	0.951
Melting Point	D 3418	°C	73
Vicat Softening Temperature at 10 N	D 1525	°C	43

Mechanical Properties (Plaque) (2)	ASTM Method	Units	Values
Tensile Strength at Break	D 638	MPa	16
Elongation at Break	D 638	%	>1000
Hardness	D 2240	Shore A	80
Hardness	D 2240	Shore D	26

(1) Braskem internal method available for customers.

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

### Processing Information:

The resin HM728F may be processed on conventional extrusion equipment. It is recommended that the melt temperature be kept below 230°C as decomposition can occur at higher temperatures.

After this resin to be processed we recommended extrusion of polyethylene resins before to shutdown of the extruder to prevent degradation of the polymer left in the extruder and downstream components.

### 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.