

Ethylene-Vinyl Acetate Copolymer VA5018ALS**Description:**

Semi-amorphous thermoplastic resin with medium content of Vinyl Acetate, easily crosslinkable and good compatibility with different thermoplastics, inorganic fillers and pigments. It presents elasticity, flexibility, soft touch and low shrinkage giving a better dimensional stability. When reticulated it presents high resistance to abrasion and high coefficient of friction.

Applications:

Midsole, unisoles and expanded articles that require a low shrinkage ;

Processes:

Compression Molding, Injection Molding, General Extrusion

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	ASTM D 1238	g/10 min	2.2
Vinyl-Acetate Content	ASTM D 5594-98	%	22

Typical Properties - EVA:

Plaque Properties (a)

Feature	Method	Units	Values
Density	D 1505 / D 792	g/cm ³	0.934
Hardness	D 2240	Shore A / D	73
Melting Point	D 3418	°C	72
Vicat Softening Temperature at 10 N	D 1525	°C	70

(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 Drug 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 Area.
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. This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.