Ethylene-Vinyl Acetate Copolymer PN2021

Description:

PN2021 is an Ethylene-Vinyl Acetate (EVA) copolymer, mainly used for the production of crosslinked foam sheets and other parts. It is a product with easy processability and high compatibility with mineral fillers, and thermoplastic and elastomeric resins. Other important characteristics are elasticity, flexibility, excellent stress cracking resistance (ESCR), chemical resistance, and low temperature strength. The exclusive morphologic characteristics give an outstanding crosslinkability. The components produced with PN2021 have the following properties: low weigth, resistance to deformation, low shrink, high capacity of sticking and color retention.

Applications:

Microcellular crosslinked foams for shoes, industrial and recreational foams, toys., Polymer blends, Injection molding of high flexible articles

Processes:

Injection Molding, Compression Molding, Compounding, Extrusion

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	ASTM D 1238	g/10 min	2.1
Vinyl-Acetate Content	ASTM D 5594-98	%	19.0

Typical Properties - EVA:

Plaque Properties (a)

Feature	Method	Units	Values
Density	D 1505 / D 792	g/cm³	0.940
Tensile Strength at Break	D 638	MPa	19
Elongation at Break	D 638	%	750
5% Secant Modulus	D 638	MPa	33
Hardness	D 2240	Shore A / D	89/38
Melting Point	D 3418	ºC	86
Vicat Softening Temperature at 10 N	D 1525	ºC	61

(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; 50ºC.

Final Remarks:

1. 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.
2. For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
3. For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
4. The mentioned values in this report can be changed at any moment without Braskem previous communication.