

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 weight, 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/cm ³	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	°C	86
Vicat Softening Temperature at 10 N	D 1525	°C	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; 50°C.

