

# Braskem EVA PN2021

Ethylene Vinyl Acetate Copolymer

Braskem

## Message:

PN2021 is an Ethylene-Vinyl Acetate (EVA) copolymer, mainly used for the production of crosslinked/expanded plates and other parts. It is a product with easy processability and high compatibility with mineral fillers, other thermoplastic and elastomers. 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: lightness, resistance to deformation, low shrink, high capacity of sticking and retention of colors.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
	Crosslinkable		
	Good Chemical Resistance		
	Good Color Stability		
	Good Flexibility		
	Good Processability		
	High Elasticity		
	High ESCR (Stress Crack Resist.)		
Uses	Low Shrinkage		
	Blending		
	Footwear		
	Profiles		
	Toys		
Agency Ratings	Tubing		
	FDA 21 CFR 177.1350		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.1	g/10 min	ASTM D1238
Vinyl Acetate Content	19.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, Compression Molded	89		
Shore D, Compression Molded	38		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 5% Secant	33.0	MPa	ASTM D638

Tensile Strength (Break, Compression Molded)	19.0	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	750	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	61.0	°C	ASTM D1525 <sup>1</sup>
Peak Melting Temperature	86.0	°C	ASTM D3418
NOTE			

1. Loading 1 (10 N)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

