

Braskem PN2021 EVA Foam Copolymer

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

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 and other thermoplastics and elastomers. Other important characteristics are elasticity, flexibility, excellent stress cracking resistance (ESCR), chemical resistance, and low temperature strength. The exclusive morphologic characteristics give crosslinkability. The components produced with PN2021 have the following properties: lightness, resistance to deformation, low shrink, high capacity of sticking, and retention of colors. It contains antioxidant additives. Its applications include: shoe components (soles, insoles, etc.); expanded and/or cross linked artifacts for toys, games, floats, advertising, and office materials; tubing and profiles; and polymeric blends.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-PN2021-EVA-Foam-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ASTM-D1505
Vinyl Acetate Content	19 %	19 %	
Melt Flow	2.1 g/10 min @Load 2.16 kg, Temperature 190 °C	2.1 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	89	89	ASTM-D2240
Hardness, Shore D	38	38	ASTM-D2240
Tensile Strength at Break	19.0 MPa	2760 psi	ASTM-D638
Elongation at Break	750 %	750 %	ASTM-D638
Secant Modulus	0.0330 GPa	4.79 ksi	0.05; ASTM-D638

Thermal Properties	Metric	English	Comments
Melting Point	86.0 °C	187 °F	ASTM-D3418
Vicat Softening Point	61.0 °C @Load 1.02 kg	142 °F @Load 2.25 lb	ASTM-D1525

Processing Properties	Metric	English	Comments
Processing Temperature	80.0 - 90.0 °C	176 - 194 °F	Homogenization (Calendering)

Processing Properties	100 - 120 °C Metric	212 - 248 °F English	Mixing (Bambury) Comments
	160 - 175 °C	320 - 347 °F	Pressing

Descriptive Properties	Value	Comments
Pressing Pressure (kgf/cm ²)	100	minimum

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China