

## Petroquimica Triunfo Tritheva® PN 2021 EVA Copolymer

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

### Material Notes:

The Tritheva® PN 2021 resin is an Ethylene-Vinyl Acetate copolymer (EVA) mainly used for the production of crosslinked/expanded plates and other parts. This is an easy processing product with high compatibility with mineral fillers, other thermoplastic and elastomeric resins. Other important characteristics are elasticity, flexibility, excellent stress cracking resistance (ESCR), chemical resistance, and low temperature strength. The homogeneous morphology gives an outstanding crosslinkability for this resin, allowing for cost reduction by lower use of crosslinking agents and/or lower crosslinking time. The compounds obtained from the resin Tritheva® PN 2021 have the following properties: lightness, resistance to deformation, low shrink, high capacity of cementing and retention of colors. Applications: Shoe components such as soles, insoles, etc. Other expanded and/or crosslinked parts for several applications. Tubing and profiles. Polymeric blends and asphalt compounds. Resin Properties: Compressed molded plate. Method ASTM D-1928, procedure C. Information provided by Dax Resinas

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Petroquimica-Triunfo-Tritheva-PN-2021-EVA-Copolymer.php](http://www.lookpolymers.com/polymer_Petroquimica-Triunfo-Tritheva-PN-2021-EVA-Copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in <sup>3</sup>	ASTM D1505
Vinyl Acetate Content	17.7 - 20.3 %	17.7 - 20.3 %	
Melt Index of Compound	1.8 - 2.4 g/10 min @Load 2.16 kg, Temperature 190 °C	1.8 - 2.4 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	87	87	ASTM D2240
Tensile Strength at Break	26.0 MPa	3770 psi	ASTM D638
Elongation at Break	750 %	750 %	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	86.0 °C	187 °F	ASTM D3418
Vicat Softening Point	61.0 °C	142 °F	ASTM D1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Processing Temperature	100 - 120 °C	212 - 248 °F	Mixture Zone

## **Contact Songhan Plastic Technology Co.,Ltd.**

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