

TECHNICAL DATA SHEET

TRICOLENE EVA18C2943

Ethylene Vinyl Acetate

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ADDING A WORLD OF VALUE

PRODUCT DESCRIPTION

This type of EVA is a 18.2 % VA copolymer of ethylene and vinyl acetate

PROCESSING METHODS

Foam Compounding & Compression Molding
Injection Molding
Profile, Wire & Cable Extrusion

CHARACTERISTICS

High Elasticity Properties
Good Chemical Resistance
Excellent Toughness

APPLICATIONS

Crosslinked Foams for Shoe Soles
Industrial and Recreational Foams
Gaskets, Hoses

RESIN PROPERTIES

Melt Flow Rate 2.16 kg/190 °C MFR₂
Density 23 °C
Vinyl Acetate Content VA
Antioxidant Package

TEST METHOD

ASTM D1238
ASTM D1505

VALUES, ENGLISH UNITS

2.0 g/10 min
0.943 g/cm³
18.2 %
Yes

VALUES, INTERNATIONAL UNITS

2.0 g/10 min
0.943 g/cm³
18.2 %
Yes

MECHANICAL PROPERTIES

Tensile Strenght at Break
23 °C, 2.0 in/min (50.8 mm/min), Type IV compression molded plaque
Tensile Elongation at Break
23 °C, 2.0 in/min (50.8 mm/min), Type IV compression molded plaque
Flexural Modulus
Secant at 1 % of Elongation - 0.051 in/min (1.3 mm/min)
Shore Hardness
Escala A, 15 s
Escala D, 15 s

TEST METHOD

ASTM D638
ASTM D638
ASTM D790A
ASTM D2240

VALUES, ENGLISH UNITS

1,900 psi
686.0 %
8,100 psi
91.0
33.0

VALUES, INTERNATIONAL UNITS

13 MPa
686.0 %
56 MPa
91.0
33.0

OTHER PROPERTIES

Vicat Softennig Temperature - VST
10 N (1 kg), 50 °C/h

TEST METHOD

ASTM D1525

VALUES, ENGLISH UNITS

142 °F

VALUES, INTERNATIONAL UNITS

61 °C

The data presented here is true and accurate to the best of our knowledge. Likewise, the values are nominal and should not be taken as minimum or maximum specifications. No warranty, express or implied, is made regarding resin performance. The customer must validate these properties according to his own evaluations on his machine and in his laboratory.

REGULATORY COMPLIANCE

This resin complies with the following FDA regulation: 21 CFR 177.1350: Ethylene Vinyl Acetate Copolymers. This regulation describes EVA resins that can be used safely for food packaging and preservation at low temperatures and at ambient temperatures. This resin is not designed for use in medical applications and should not be used in such applications.

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RIGID

