

TECHNICAL DATA SHEET

TRICOLENE EVA6F2926

Ethylene Vinyl Acetate

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ADDING A WORLD OF VALUE

PRODUCT DESCRIPTION

This type of EVA is a copolymer of Ethylene and 5.9 % Vinyl Acetate (VA)

PROCESSING METHODS

Blown Film Extrusion
Foam Vulcanization

CHARACTERISTICS

High Clarity Film Resin (Haze 2.5 %)
Superior Impact Strength
Superior Seal Strength

APPLICATIONS

FFS Packaging Films
Lamination Films
Foams

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
0.926 g/cm³
5.9 %
Yes

VALUES, INTERNATIONAL UNITS

2.0 g/10 min
0.926 g/cm³
5.9 %
Yes

BLOWN FILM PROPERTIES

Evaluated Film Thickness

Dart Impact Strenght
38.0 mm (1.5 in), 0.66 m (26.0 in), F50

Elmendorf Tear Strenght

Tensile Strenght at Yield
20.0 in/min (508 mm/min)

Tensile Strenght at Break
20.0 in/min (508 mm/min)

Tensile Elongation at Break
20.0 in/min (508 mm/min)

Tensil Secant Modulus of Elasticity
1 % Elongation, 0.051 in/min (1.3 mm/min)

Haze

Specular Gloss 45 °

TEST METHOD

ASTM D1709A
ASTM D1922
ASTM D882
ASTM D882
ASTM D882
ASTM D882
ASTM D882
ASTM D882
ASTM D1003
ASTM D2457

VALUES, ENGLISH UNITS

1.5 mils
230 g
MD 160 g
TD 100 g
MD 1,000 psi
TD 1,000 psi
MD 4,300 psi
TD 3,600 psi
MD 330 %
TD 620 %
MD 17,000 psi
TD 19,000 psi
2.5 %
84.0

VALUES, INTERNATIONAL UNITS

38.1 µm
230 g
160 g
100 g
6.9 MPa
6.9 MPa
29.7 MPa
24.8 MPa
330 %
620 %
117 MPa
131 MPa
2.5 %
84.0

PROCESSING CONDITIONS OF EVALUATED FILM

Die Diameter
Die Gap
Melt Temperature
Blow-up Ratio, BUR
Output
Specific Output

VALUES, ENGLISH UNITS

2.5 pulgadas
30 mils
350 ° F
2.5 ---
62.8 Lb/h
8.00 Lb/h/in

VALUES, INTERNATIONAL UNITS

64 mm
0.8 mm
177 ° C
2.5 ---
28.5 kg/h
0.14 kg/h/cm

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 177.1520: Olefinic Polymers. This regulation describes polyolefin 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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FLEXIBLE

