



GREENFLEX®

EVA

To enquire, Visit: www.jitsy.in

Greenflex FL 55 is an ethylene vinyl acetate copolymer (EVA) for extrusion/co-extrusion blown and cast film.

Films produced with Greenflex FL 55 show a low fish eyes content, very high elasticity, good optical properties, good sealability at low temperatures.

Main Application

Greenflex FL 55 is recommended for the production of co-extrusion film, lamination film, stretch film, barrier film for food packaging and all those applications where the typical purity of film grades is required such as products for pharmaceutical industry.

In coextruded structures it can be used as a compatibilizer with polymers of different nature.

Main Properties

Resin Properties

Melt Flow Rate (190°C/2.16 kg)

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Value

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Unit

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Test Method

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Vinyl acetate content

Value

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Unit

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Test Method

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Density

Value

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Unit

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Test Method

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Melting Point

Value

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Unit

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Test Method

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Brittleness temperature

Value

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Unit

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Test Method

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Vicat softening point (1 kg)

Value

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Unit

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Test Method

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Film Properties *

Tensile stress at yield MD

Value

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Unit

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Test Method

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Tensile stress at yield TD

Value

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Unit

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Test Method

www.jitsy.in

Tensile stress at break MD

Value

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Unit

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Test Method

www.jitsy.in

Tensile stress at break TD

Value

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Unit

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Test Method

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Elongation at break MD

Value

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Unit

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Test Method

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Elongation at break TD

Value

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Unit

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Test Method

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1% Secant modulus MD

Value

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Unit

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Test Method

www.jitsy.in

1% Secant modulus TD

Value

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Unit

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Test Method

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Elmendorf tear resistance MD

Value

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Unit

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Test Method

www.jitsy.in

Elmendorf tear resistance TD

Value

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Unit

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Test Method

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Impact resistance F50 (Dart Drop Test)

Value

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Unit

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Test Method

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Dynamic coefficient of friction (COF)

Value

www.jitsy.in

Unit

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Test Method

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Haze

Value

www.jitsy.in

Unit

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Test Method

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Gloss, 45°

Value

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Unit

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Test Method

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Recommended film thickness

Value

www.jitsy.in

Unit

www.jitsy.in

Test Method

www.jitsy.in

micron

Mechanical Properties **

ShoreA:

Value

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Unit

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Test Method

www.jitsy.in

ShoreD:

Value

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Unit

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Test Method

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ISO 868 A

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Processing notes

Greenflex FL 55 can be processed by conventional blown film extrusion equipments. Operation temperature from 150°C to 170°C is recommended. Depending on extrusion conditions, the suggested film thickness is 25÷80 Km.

Storage and Handling

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Greenflex FL 55 is supplied in pellet form. This material may readily be conveyed and bulk fed through equipment designed for conventional pelletised polyethylene resin, provided the equipment is designed to prevent accumulation of the fines and dust particles that are contained in all polyethylene resins. These fines and dust particles can, under certain conditions, pose an explosion hazard. We recommend that the conveying system used be equipped with filters of adequate size, operated and maintained in such a manner to ensure that no leaks develop and earthed adequately. We further recommend that good housekeeping should be practised throughout your facility.

The product should be stored in dry conditions at temperatures below 50°C and protected from sunlight. Improper storage can initiate degradation which results in odour generation, colour changes and can have negative effects on the physical properties of the product.

Before using this product it is recommended to read and understand the relevant Safety Data Sheet.

Availability

Contact the versalis sales office nearest to you regarding availability and your specific application requirements.

Food Contact Status

Greenflex FL 55 complies with the rules and regulations of the European Union, as well as other countries, regarding the use of plastic materials in food contact applications.

Certificates of compliance are available upon request.

TECHNICAL SERVICE

www.jitsy.in

versalis S.p.A.
Piazza Boldrini, 1
20097 S.Donato Milanese, Italia
Tel. +39 02 520.32087
Fax +39 02 520.52052

www.jitsy.in

Versalis International SA succursale française
Port 4531 Route des Dunes - BP 59
F-59279 Mardyck
Tel. : +3332823551

www.jitsy.in

versalis S.p.A.
Via Taliercio, 14
46100 Mantova, Italia
Tel. +39 0376 305667
Fax +39 02 52043

HEADQUARTER

www.jitsy.in

versalis S.p.A.
Piazza Boldrini, 1
20097 S.Donato Milanese, Italia
Tel. +39 02 520.32087
Fax +39 02 520.52052

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IMPORTANT: please consult the relevant safety data sheet for more detailed information. The information and data presented herein are to the best of our knowledge true and accurate but no warranty or guarantee, expressed or implied, is made nor is any liability accepted with respect to the use of such information and data.

versalis is available to provide the guaranteed values for each product on demand.