

## Polimeri Europa Greenflex® FD 23 Ethylene Vinyl Acetate Copolymer - Blown Film Extrusion

Category : Polymer , Film , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Film Grade

### Material Notes:

Greenflex FD 23 is an ethylene vinyl acetate copolymer (EVA) suitable for blown film extrusion. Greenflex FD 23 is a version of Greenflex FD 20 with added slip and antiblocking agents. Films produced with Greenflex FD 23 exhibit good optical properties, high impact resistance, tensile strength, elongation at break and low creep. Main Applications: Greenflex FD 23 is recommended for thermo-shrinkable films for food packaging, including deep-frozen food packaging. Information provided by Polimeri Europa.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polimeri-Europa-Greenflex-FD-23-Ethylene-Vinyl-Acetate-Copolymer-Blown-Film-Extrusion.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Greenflex-FD-23-Ethylene-Vinyl-Acetate-Copolymer-Blown-Film-Extrusion.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.924 g/cc	0.924 g/cc	ISO 1183
Vinyl Acetate Content	5.0 %	5.0 %	Internal Method
Thickness	50.0 - 200 microns	1.97 - 7.87 mil	Recommended
Melt Flow	0.50 g/10 min @Load 2.16 kg, Temperature 190 °C	0.50 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	95	95	ISO 868/A
Hardness, Shore D	44	44	ISO 868/A
Film Tensile Strength at Yield, MD	8.00 MPa	1160 psi	ISO 527-3
Film Tensile Strength at Yield, TD	8.00 MPa	1160 psi	ISO 527-3
Film Elongation at Break, MD	450 %	450 %	ISO 527-3
Film Elongation at Break, TD	600 %	600 %	ISO 527-3
Coefficient of Friction, Dynamic	>= 0.20	>= 0.20	ISO 8295
Elmendorf Tear Strength, MD	2.6494 g/micron	67.295 g/mil	ISO 6383-2
Elmendorf Tear Strength, TD	4.076 g/micron	103.5 g/mil	ISO 6383-2
Dart Drop Test	420 g	0.926 lb	F50; ISO 7765-1
Film Tensile Strength at Break, MD	25.0 MPa	3630 psi	ISO 527-3
Film Tensile Strength at Break, TD	25.0 MPa	3630 psi	ISO 527-3

1% Secant Modulus, MD Mechanical Properties	120 MPa Metric	17400 psi English	ISO 527-3 Comments
1% Secant Modulus, TD	125 MPa	18100 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	104 °C	219 °F	Internal Method
Vicat Softening Point	85.0 °C @Load 1.00 kg	185 °F @Load 2.20 lb	ISO 306/A
Brittleness Temperature	<= -80.0 °C	<= -112 °F	ASTM D746

Optical Properties	Metric	English	Comments
Haze	6.0 %	6.0 %	ISO 14782
Gloss	65 %	65 %	45°; ASTM D2457

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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