

Polimeri Europa Greenflex® FL 25 Ethylene Vinyl Acetate Copolymer - Blown Film Extrusion

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

Material Notes:

Greenflex FL 25 is an ethylene vinyl acetate copolymer (EVA) for blown film extrusion. Films produced with Greenflex FL 25 show good optical properties and excellent sealability. Main Applications: Greenflex FL 25 is recommended for the production of lamination film, coextruded films and freezer bags. Information provided by Polimeri Europa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Greenflex-FL-25-Ethylene-Vinyl-Acetate-Copolymer-Blown-Film-Extrusion.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.923 g/cc	0.923 g/cc	ISO 1183
Vinyl Acetate Content	4.5 %	4.5 %	Internal Method
Thickness	30.0 - 150 microns	1.18 - 5.91 mil	Recommended
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	96	96	ISO 868/A
Hardness, Shore D	44	44	ISO 868/A
Film Tensile Strength at Yield, MD	7.00 MPa	1020 psi	ISO 527-3
Film Tensile Strength at Yield, TD	7.00 MPa	1020 psi	ISO 527-3
Film Elongation at Break, MD	300 %	300 %	ISO 527-3
Film Elongation at Break, TD	560 %	560 %	ISO 527-3
Coefficient of Friction, Dynamic	>= 0.20	>= 0.20	ISO 8295
Elmendorf Tear Strength, MD	2.5475 g/micron	64.706 g/mil	ISO 6383-2
Elmendorf Tear Strength, TD	3.8722 g/micron	98.354 g/mil	ISO 6383-2
Dart Drop Test	400 g	0.882 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	22.0 MPa	3190 psi	ISO 527-3
1% Secant Modulus, MD	140 MPa	20300 psi	ISO 527-3

Mechanical Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
Melting Point	103 °C	217 °F	Internal Method
Vicat Softening Point	82.0 °C @Load 1.00 kg	180 °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

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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