

# Greenflex® FF 35

Ethylene Vinyl Acetate Copolymer

Versalis S.p.A.

## Message:

Greenflex FF 35 is an ethylene vinyl acetate copolymer (EVA) for blown film extrusion.

The resin shows good stretchability and sealability.

### Main Application

Greenflex FF 35 is suitable for flexible packaging film having good fracture mechanical properties, for stretch hood packaging and profiles extrusion.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Flexibility		
	Good Heat Seal		
Uses	Film		
	Packaging		
	Profiles		
	Stretch Wrap		
Agency Ratings	EU Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Blown Film		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.929	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ISO 1133
Vinyl Acetate Content	9.0	wt%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, Injection Molded	94		
Shore D, Injection Molded	42		
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (vs. Itself - Dynamic, Blown Film)	> 0.50		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Thickness - Recommended / Available	50 to 200 µm		
Tensile Modulus			ISO 527-3
1% Secant, MD : Blown Film	95.0	MPa	
1% Secant, TD : Blown Film	97.0	MPa	

Tensile Stress			ISO 527-3
MD : Yield, Blown Film	7.00	MPa	
TD : Yield, Blown Film	6.00	MPa	
MD : Break, Blown Film	27.0	MPa	
TD : Break, Blown Film	28.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, Blown Film	480	%	
TD : Break, Blown Film	650	%	
Dart Drop Impact <sup>1</sup> (Blown Film)	550	g	ISO 7765-1
Elmendorf Tear Strength <sup>2</sup>			ISO 6383-2
MD	20.0	kN/m	
TD	40.0	kN/m	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	75.0	°C	ISO 306/A
Melting Temperature	102	°C	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (45°, Blown Film)	73		ASTM D2457
Haze (Blown Film)	4.0	%	ISO 14782
Extrusion	Nominal Value	Unit	
Melt Temperature	170 to 200	°C	
NOTE			
1.	F50		
2.	Blown Film		

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#### Recommended distributors for this material

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