

CERTENE™ EDF-230A

Ethylene Vinyl Acetate Copolymer
Muehlstein

Message:

EDF-230A is a certified prime grade 9% ETHYLENE VINYL ACETATE (EVA) copolymer often used in the production of specialty films needing excellent heat sealability and impact strength. EDF-230A applications include meat packaging and films requiring low temperature sealability. EDF-230A contains No slip and No antiblock. A melt temperature of 400°F or less is recommended to avoid polymer decomposition.

General Information			
Features	Copolymer		
	Impact resistance, good		
	Good heat sealability		
	Definition, high		
	Thermal stability, good		
	Compliance of Food Exposure		
Uses	Packaging		
	Films		
	Food packaging		
Forms	Particle		
Processing Method	Film extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Vinyl Acetate Content	9.0	wt%	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	
Tensile Strength			ASTM D882
MD: Fracture, 38 µm	31.0	MPa	ASTM D882
TD: Fracture, 38 µm	27.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 38 µm	330	%	ASTM D882
TD: Fracture, 38 µm	650	%	ASTM D882
Dart Drop Impact ¹ (38 µm)	250	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 38 µm	120	g	ASTM D1922
TD : 38 µm	100	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	81.0	°C	ASTM D1525

Melting Temperature	99.0	°C	DSC
Optical	Nominal Value	Unit	Test Method
Haze (38.0 μm)	1.5	%	ASTM D1003
Additional Information			
Film Specimen: 1.5 mils (38 μm) film; blow-up-ratio 2.5:1.			
Extrusion	Nominal Value	Unit	
Melt Temperature	< 204	°C	
NOTE			
1.	F50		

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