

Jamplast JPEVA18

Ethylene Vinyl Acetate Copolymer

Jamplast, Inc.

Message:

JPEVA18 is an EVA copolymer with excellent flexibility and low temperature properties. JPEVA18 is very suitable for medium to heavy gauge film applications as well as injection and blow molding. JPEVA18 contains no additives.

General Information			
Features	Copolymer		
	Good Flexibility		
Uses	Film		
Forms	Pellets		
Processing Method	Blow Molding		
	Film Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.1	g/10 min	ASTM D1238
Vinyl Acetate Content	18.0	wt%	

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	91		ASTM D2240

Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD	51.7	MPa	
1% Secant, TD	59.3	MPa	
Tensile Strength			ASTM D882
MD : Yield	4.68	MPa	
TD : Yield	4.30	MPa	
MD : Break	41.0	MPa	
TD : Break	30.3	MPa	
Tensile Elongation			ASTM D882
MD : Break	410	%	
TD : Break	560	%	
Dart Drop Impact (38 µm)	610	g	ASTM D1709

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-76.1	°C	ASTM D746
Vicat Softening Temperature	65.0	°C	ASTM D1525

Extrusion	Nominal Value	Unit
Melt Temperature	232	°C

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