

EVAL™ FP201B

Ethylene Vinyl Alcohol

EVAL Europe nv

Message:

EVAL™ FP201B is an Ethylene Vinyl Alcohol (EVOH) product. It is available in Europe.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ISO 1133
Ethylene Content	32.0	mol%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield, 20°C	73.0	MPa	
Break, 20°C	32.0	MPa	
Tensile Strain			ISO 527-2
Yield, 20°C	12	%	
Break, 20°C	43	%	
Films	Nominal Value	Unit	Test Method
Oxygen Permeability ¹ (20°C, 65% RH)	0.010	cm ³ ·mm/m ² /atm/24 hr	ISO 14663-2
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength			ASTM D1822
-20°C	110	kJ/m ²	
23°C	390	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	69.0	°C	ISO 11357-2
Vicat Softening Temperature	173	°C	ISO 306
Melting Temperature	183	°C	ISO 11357-3
Peak Crystallization Temperature	161	°C	ISO 11357-3
NOTE			
1.	Annex C		

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