

EVAL™ SP521

Ethylene Vinyl Alcohol

Kuraray Co., Ltd.

Message:

High Orientability Ethylene Vinyl Alcohol Copolymer Applications: Shrink Film, Skin Packaging and thermoforming

General Information			
Uses	Thermoforming Applications Sheet		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	1.9	g/10 min	ISO 1133
210°C/2.16 kg	4.1	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2800	MPa	ISO 527-2
Tensile Stress (Break)	38.0	MPa	ISO 527-2
Tensile Strain (Break)	15	%	ISO 527-2
Films	Nominal Value	Unit	Test Method
Oxygen Permeability			ISO 14663-2
20°C, 65% RH	5.9E-3	cm ³ ·mm/m ² /atm/24 hr	ISO 14663-2
20°C, 85% RH	0.026	cm ³ ·mm/m ² /atm/24 hr	ISO 14663-2
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	40.0	°C	ISO 11357-2
Melting Temperature	187	°C	ISO 11357
Peak Crystallization Temperature	162	°C	ISO 11357-3
Additional Information			

Limit of Orientability, Simultaneous, Kuraray Method: 4 x 4

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