

EVAL™ SP434

Ethylene Vinyl Alcohol

Kuraray Co., Ltd.

Message:

High Orientability Ethylene Vinyl Alcohol Copolymer Applications: PET Co-injection

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	4.4	g/10 min	
210°C/2.16 kg	11	g/10 min	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2
Tensile Stress (Break)	29.0	MPa	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Films	Nominal Value	Unit	Test Method
Carbon Dioxide Transmission Rate			ISO 14663-2
20°C, 0.65% RH	1.24	cm ³ /m ² /24 hr	
20°C, 0.85% RH	7.75	cm ³ /m ² /24 hr	
Oxygen Permeability			ISO 14663-2
20°C, 65% RH	9.8E-3	cm ³ ·mm/m ² /atm/24 hr	
20°C, 85% RH	0.051	cm ³ ·mm/m ² /atm/24 hr	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	55.0	°C	ISO 11357-2
Melting Temperature	181	°C	ISO 11357
Peak Crystallization Temperature	158	°C	ISO 11357-3

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