

EVAL™ SP451

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 Packaging		
Forms	Particle		
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	1.7	g/10 min	ISO 1133
210°C/2.16 kg	4.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2
Tensile Stress (Break)	25.0	MPa	ISO 527-2
Tensile Strain (Break)	17	%	ISO 527-2
Films	Nominal Value	Unit	Test Method
Oxygen Permeability			ISO 14663-2
20°C, 65% RH	9.8E-3	cm ³ ·mm/m ² /atm/24 hr	ISO 14663-2
20°C, 85% RH	0.034	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	182	°C	ISO 11357
Peak Crystallization Temperature	158	°C	ISO 11357-3
Additional Information			

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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT