

Technical Data Sheet

EVAL™ G176B

48 mol% Ethylene-Vinyl Alcohol Copolymer

Typical Properties	Unit	Test Method	Metric/(English)
MFR	g/10min	ISO1133 (190°C, 2,160g)	6.5
Density	10 ³ kg/m ³	ISO1183-3	1.12

Thermal Properties	Unit	Test Method	Metric/(English)
Melting Temperature	°C (°F)	ISO 11357	157 (315)
Crystallization Temperature	°C (°F)	ISO 11357	136 (277)
Glass Transition Point	°C (°F)	ISO 11357	50 (122)
Vicat Softening Point	°C (°F)	ISO 306	146 (295)

Mechanical Properties	Unit	Test Method (Dry injection piece, 23°C)	Metric/(English)
Tensile stress at break	MPa (psi)	ISO 527	27 (3,900)
Elongation at break	%	ISO 527	20
Young's Modulus	GPa (psi)	ISO 527	3.1 (450,000)
Flexural Modulus	GPa (psi)	ISO 178	2.9 (420,000)
Charpy Impact Strength	kJ/m ² (ft.lbf/in ²)	ISO 179-1	12 (5.7)
Rockwell Hardness	HRM	ISO 2039-2	76

Barrier Properties (cast film)	Unit	Test Method (Cast film, 20°C, 65%RH)	Metric/(English)
Oxygen Transmission Rate	cm ³ .20µm/m ² .day.atm (cm ³ .mil/100in ² .day.atm)	ISO 21309-2 Annex C	3.7 (0.19)

Kuraray America, Inc.
2625 Bay Area Boulevard, Suite 600
Houston, TX 77058

Tel +1 800 423 9762
Fax +1 281 283 1722

www.evalevoh.com
www.kuraray.us.com

Data updated on: 2016-12-15
Layout updated on: 2020-07-21

The information contained here is, to the best of our knowledge, true and accurate. Actual performance may vary in particular applications. Because Kuraray cannot anticipate or control the many different conditions under which this product may be used, Kuraray does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. Kuraray accepts no liability for any loss or damage howsoever arising as a result of use or reliance on this information. All sales of this product are subject to Kuraray's Standard Terms and Conditions of Sale, a copy of which can be found on our website at:
<http://www.kuraray.us.com/standard-terms-and-conditions-of-sale/>.

Typical properties: These are not to be construed as specifications.