

Technical Data Sheet

EVAL™ G156B

48 mol% Ethylene Vinyl-Alcohol Copolymer

Standard Properties	Unit	Test Method	Value
MFR	g/10min	ISO1133 (190°C, 2.16kg)	6.4
Density	10 ³ kg/m ³	ISO1183-3	1.12

Thermal Properties	Unit	Test Method	Value
Melting Temperature	°C	ISO 11357	157
Crystallization Temperature	°C	ISO 11357	140
Glass Transition Point	°C	ISO 11357	50
Vicat Softening Point	°C	ISO 306	146

Mechanical Properties	Unit	Test Method (Dry injection piece, 23°C)	Value
Tensile stress at break	MPa	ISO 527	27
Elongation at break	%	ISO 527	20
Young's Modulus	GPa	ISO 527	3.1
Flexural Modulus	GPa	ISO 178	2.9
Charpy Impact Strength	kJ/m ²	ISO 179-1	12
Rockwell Hardness	HRM	ISO 2039-2	76

Barrier Properties (cast film)	Unit	Test Method (Cast film, 20°C, 65%RH)	Value
Oxygen Transmission Rate	cm ³ .20µm/m ² .day.atm	ISO21309-2 Annex C	3.7

EVAl Europe N.V.
Haven 1053, Nieuwe Weg 1 Bus 10
2070 Zwijndrecht (Antwerp), Belgium

Tel +32 3 250 9733
Fax +32 3 250 9704

www.evalevoh.com
eval.eu@kuraray.com

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