

Technical Data Sheet

EVAL™ L171B

27 mol% Ethylene Vinyl-Alcohol Copolymer

Standard Properties	Unit	Test Method	Value
MFR	g/10min	ISO1133 (210°C)	4.0
Density	10 ³ kg/m ³	ISO1183-3	1.21

Thermal Properties	Unit	Test Method	
Melting Temperature	°C	ISO 11357	190
Crystallization Temperature	°C	ISO 11357	164
Glass Transition Point	°C	ISO 11357	63
Vicat Softening Point	°C	ISO 306	181

Mechanical Properties	Unit	Test Method (Dry injection piece, 23°C)	
Tensile stress at break	MPa	ISO 527	41
Elongation at break	%	ISO 527	12
Young's Modulus	GPa	ISO 527	4.9
Flexural Modulus	GPa	ISO 178	4.7
Charpy Impact Strength	kJ/m ²	ISO 179-1	6
Rockwell Hardness	HRM	ISO 2039-2	97

Barrier Properties (cast film)	Unit	Test Method (Cast film, 20°C65%RH)	
Oxygen Transmission Rate	cm ³ .20µm/m ² .day.atm	ISO 14663-2 Annex C	0.1

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

Data updated on: 2019-01-10

Layout updated on: 2016-12-09

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