



Technical Data Sheet

EVAL™ E105B

44 mol% Ethylene Vinyl-Alcohol Copolymer

Standard Properties	Unit	Test Method	Value
MFR	g/10min	ISO1133 (190°C, 2.16kg)	5.5
Density	10 ³ kg/m ³	ISO1183-3	1.14
Thermal Properties	Unit	Test Method	Value
Melting Temperature	°C	ISO 11357	165
Crystallization Temperature	°C	ISO 11357	145
Glass Transition Point	°C	ISO 11357	53
Vicat Softening Point	°C	ISO 306	152
Mechanical Properties	Unit	Test Method (Dry injection piece, 23°C)	Value
Tensile stress at break	MPa	ISO 527	29
Elongation at break	%	ISO 527	18
Young's Modulus	GPa	ISO 527	3.5
Flexural Modulus	GPa	ISO 178	3.2
Charpy Impact Strength	kJ/m ²	ISO 179-1	10
Rockwell Hardness	HRM	ISO 2039-2	80
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	1.9

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

Updated on: 2020-08-07

The information contained herein is, to the best of our knowledge, true and accurate. However, since conditions of use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part. We disclaim all liability in connection with the use of information contained herein or otherwise. All risks of such use are assumed by the user. Furthermore, nothing contained herein shall be construed as an inducement to use any process or to manufacture or use any product in conflict with existing or future patents.