

Technical Data Sheet

EVAL™ SP482B

32 mol% Ethylene Vinyl-Alcohol Copolymer

Standard Properties	Unit	Test Method	Value
MFR	g/10min	ISO1133 (190°C)	2.0
Density	10 ³ kg/m ³	ISO1183-3	1.16

Thermal Properties	Unit	Test Method	
Melting Temperature	°C	ISO 11357	183
Crystallization Temperature	°C	ISO 11357	158
Glass Transition Point	°C	ISO 11357	60
Vicat Softening Point	°C	ISO 306	150

Mechanical Properties	Unit	Test Method (Dry injection piece, 23°C)	
Tensile stress at break	MPa	ISO 527	28
Elongation at break	%	ISO 527	16
Young's Modulus	GPa	ISO 527	4.1
Flexural Modulus	GPa	ISO 178	4.0
Charpy Impact Strength	kJ/m ²	ISO 179-1	8
Rockwell Hardness	HRM	ISO 2039-2	84

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	0.6

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: 2018-12-11

Layout updated on: 2016-12-09

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.