



## Technical Data Sheet

### EVAL™ F101B

32 mol% Ethylene Vinyl-Alcohol Copolymer

| Standard Properties            | Unit                                          | Test Method                                | Value |
|--------------------------------|-----------------------------------------------|--------------------------------------------|-------|
| MFR                            | g/10min                                       | ISO1133 (190°C, 2.16kg)                    | 1.6   |
| Density                        | 10 <sup>3</sup> kg/m <sup>3</sup>             | ISO1183-3                                  | 1.19  |
| Thermal Properties             | Unit                                          | Test Method                                | Value |
| 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                                    | 172   |
| Mechanical Properties          | Unit                                          | Test Method<br>(Dry injection piece, 23°C) | Value |
| Tensile stress at break        | MPa                                           | ISO 527                                    | 34    |
| Elongation at break            | %                                             | ISO 527                                    | 15    |
| Young's Modulus                | GPa                                           | ISO 527                                    | 4.5   |
| Flexural Modulus               | GPa                                           | ISO 178                                    | 4.3   |
| Charpy Impact Strength         | kJ/m <sup>2</sup>                             | ISO 179-1                                  | 8     |
| Rockwell Hardness              | HRM                                           | ISO 2039-2                                 | 92    |
| Barrier Properties (cast film) | Unit                                          | Test Method<br>(Cast film, 20°C, 65%RH)    | Value |
| Oxygen Transmission Rate       | cm <sup>3</sup> .20µm/m <sup>2</sup> .day.atm | ISO21309-2 Annex C                         | 0.3   |

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](http://www.evalevoh.com)

[eval.eu@kuraray.com](mailto:eval.eu@kuraray.com)

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