

## Technical Data Sheet

### EVAL™ F104B

32 mol% Ethylene Vinyl-Alcohol Copolymer

| Standard Properties | Unit                              | Test Method     | Value |
|---------------------|-----------------------------------|-----------------|-------|
| MFR                 | g/10min                           | ISO1133 (190°C) | 4.4   |
| Density             | 10 <sup>3</sup> kg/m <sup>3</sup> | ISO1183-3       | 1.19  |

| 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     | 172 |

| Mechanical Properties   | Unit              | Test Method<br>(Dry injection piece, 23°C) |     |
|-------------------------|-------------------|--|-----|
| Tensile stress at break | MPa               | ISO 527                                    | 34  |
| Elongation at break     | %                 | ISO 527                                    | 14  |
| 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                                  | 7   |
| Rockwell Hardness       | HRM               | ISO 2039-2                                 | 92  |

| Barrier Properties (cast film) | Unit  | Test Method<br>(Cast film, 20°C65%RH) |     |
|--------------------------------|---|---------------------------------------|-----|
| Oxygen Transmission Rate       | cm <sup>3</sup> .20µm/m <sup>2</sup> .day.atm | ISO 14663-2 Annex C                   | 0.3 |

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