

Technical Data Sheet

EVAL™ SP292B

44 mol% Ethylene Vinyl-Alcohol Copolymer

| Standard Properties | Unit | Test Method | Value |
|---------------------|-----------------------------------|-----------------|-------|
| MFR | g/10min | ISO1133 (190°C) | 1.9 |
| Density | 10 ³ kg/m ³ | ISO1183-3 | 1.13 |

| Thermal Properties | Unit | Test Method | |
|-----------------------------|------|-------------|-----|
| Melting Temperature | °C | ISO 11357 | 165 |
| Crystallization Temperature | °C | ISO 11357 | 143 |
| Glass Transition Point | °C | ISO 11357 | 48 |
| Vicat Softening Point | °C | ISO 306 | 142 |

| Mechanical Properties | Unit | Test Method (Dry injection piece, 23°C) | |
|-------------------------|-------------------|--|-----|
| Tensile stress at break | MPa | ISO 527 | 25 |
| Elongation at break | % | ISO 527 | 20 |
| Young's Modulus | GPa | ISO 527 | 3.4 |
| Flexural Modulus | GPa | ISO 178 | 3.2 |
| Charpy Impact Strength | kJ/m ² | ISO 179-1 | 12 |
| Rockwell Hardness | HRM | ISO 2039-2 | 78 |

| 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 | 3.0 |

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