EVOH

EVAL™ L100B

Kuraray

Position #103 · Jinsutong Reference Catalog 2026

Resin Overview

EVOH · 38 mol%, High Stiffness. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Kuraray
Category	EVOH · 38 mol%, High Stiffness
Typical Use	High stiffness barrier layer, structural

Key Properties

Ethylene Content	38 mol%
Density	1.17 g/cm³
MVR (190°C/2.16 kg)	1.3 g/10min
Melting Point (DSC)	172 °C
O2 Permeability (23°C/65% RH)	0.9 cc·mil/m2·day·atm
Tensile Strength at Yield	70 MPa
Tensile Modulus	1900 MPa
Elongation at Break	220%

Key Features

- 38 mol% for higher stiffness
- Lowest OTR in 38 mol% line
- Good for rigid barrier film
- FDA and EU food contact compliant

Processing Conditions

Melt Temperature	200-240 °C
Mold Temperature	N/A (extrusion)
Drying	4 h @ 100 °C in desiccant dryer
Processing Methods	Co-extrusion, thermoforming

Typical Applications

- Rigid barrier films
- Thermoformed barrier containers
- High-stiffness packaging
- Co-extrusion for packaging

Regulatory & Compliance

- FDA 21 CFR 177.1360
- EU 10/2011
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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