EVOH

EVAL™ H101B

Kuraray

Position #103 · Jinsutong Reference Catalog 2026

Resin Overview

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

This Grade

Manufacturer	Kuraray
Category	EVOH · 38 mol%, Thermoforming
Typical Use	Thermoformed barrier containers, food

Key Properties

Ethylene Content	38 mol%
Density	1.17 g/cm³
MVR (190°C/2.16 kg)	6 g/10min
Melting Point (DSC)	172 °C
O2 Permeability (23°C/65% RH)	1.0 cc·mil/m2·day·atm
Tensile Strength at Yield	70 MPa
Tensile Modulus	2000 MPa
Elongation at Break	220%

Key Features

- High melt strength for thermoforming
- Good oxygen barrier
- Suitable for MAP containers
- 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

- Thermoformed barrier containers
- Modified atmosphere packaging
- Food packaging
- Co-extrusion thermoforming

Regulatory & Compliance

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

> ⚠ All data sourced from public manufacturer catalogs.

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