EVOH

# EVAL™ L171B

Kuraray

Position #105 · 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, multilayer film |

## Key Properties

| | |
|---|---|
| **Ethylene Content** | 38 mol% |
| **Density** | 1.17 g/cm³ |
| **MVR (190°C/2.16 kg)** | 4 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** | 230% |

## Key Features

- Higher stiffness for multilayer film
- Good oxygen barrier in dry conditions
- Higher ethylene content for processing
- 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

- Multilayer barrier films
- Thermoformed barrier containers
- Co-extrusion for packaging
- Industrial barrier films

## Regulatory & Compliance

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

> ⚠ All data sourced from public manufacturer catalogs.

**Contact**
Mr. Mo Hailong (莫海龙) — Business Manager · +86 138 1603 7020 · 13816037020@139.com
Shanghai Jinsutong Plastics Co., Ltd. · 1st Building, 5601 Yanqian Road, Fengxian District, Shanghai

© 2026 Shanghai Jinsutong Plastics Co., Ltd. · Jinsutong Reference Catalog 2026 · jinsutong.com/grades