EVOH

Soarnol™ ET3803RB

Mitsubishi Chemical

Position #104 · Jinsutong Reference Catalog 2026

Resin Overview

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

This Grade

Manufacturer	Mitsubishi Chemical
Category	EVOH · 38 mol%, Extrusion
Typical Use	High stiffness barrier film, co-extrusion

Key Properties

Ethylene Content	38 mol%
Density	1.17 g/cm³
MVR (190°C/2.16 kg)	3.8 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

- 38 mol% for high stiffness
- Suitable for rigid film and sheet
- FDA and EU food contact compliant
- Soarnol quality

Processing Conditions

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

Typical Applications

- Rigid barrier films
- High-stiffness sheets
- Thermoformed containers
- Co-extrusion barrier layer

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