EVOH

Soarnol™ E3808

Mitsubishi Chemical

Position #106 · 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	Co-extrusion, multilayer film

Key Properties

Ethylene Content	38 mol%
Density	1.17 g/cm³
MVR (190°C/2.16 kg)	8 g/10min
Melting Point (DSC)	172 °C
O2 Permeability (23°C/65% RH)	1.2 cc·mil/m2·day·atm
Tensile Strength at Yield	72 MPa
Elongation at Break	220%
HDT (0.45 MPa)	100 °C

Key Features

- 38 mol% ethylene for easier processing
- Good oxygen barrier
- Good melt strength for co-extrusion
- Suitable for multilayer barrier films

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
- Retort pouches
- Vacuum skin 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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