EVOH

# Soarnol™ EG092

Mitsubishi Chemical

Position #105 · Jinsutong Reference Catalog 2026

## Resin Overview

EVOH · 27 mol%, Shrink. Sourced from public manufacturer technical data sheets.

## This Grade

| | |
|---|---|
| **Manufacturer** | Mitsubishi Chemical |
| **Category** | EVOH · 27 mol%, Shrink |
| **Typical Use** | Shrink barrier films, bone-in meat packaging |

## Key Properties

| | |
|---|---|
| **Ethylene Content** | 27 mol% |
| **Density** | 1.21 g/cm³ |
| **MVR (190°C/2.16 kg)** | 9 g/10min |
| **Melting Point (DSC)** | 188 °C |
| **O2 Permeability (23°C/65% RH)** | 0.3 cc·mil/m2·day·atm |
| **Tensile Strength at Yield** | 85 MPa |
| **Shrinkage (120°C)** | 30% |
| **Light Transmittance (2mm)** | 90% |

## Key Features

- 27 mol% for highest barrier
- High shrinkage for shrink film
- Lowest OTR in Soarnol line
- Suitable for bone-in meat packaging

## Processing Conditions

| | |
|---|---|
| **Melt Temperature** | 220-260 °C |
| **Mold Temperature** | N/A (extrusion) |
| **Drying** | 4 h @ 100 °C in desiccant dryer |
| **Processing Methods** | Co-extrusion, shrink film |

## Typical Applications

- Shrink barrier films
- Bone-in meat packaging
- Cheese shrink bags
- Premium food packaging

## Regulatory & Compliance

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

> ⚠ All data sourced from public manufacturer catalogs.

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