



# TECHNICAL DATA SHEET

## ETHYLENE VINYL ACETATE (EVA)

Concise technical summary for industrial procurement, quality review, and export documentation. Ethylene Vinyl Acetate (EVA) is a flexible thermoplastic copolymer supplied in resin or pellet form for applications requiring softness, toughness, elasticity, and reliable processability.

### PRODUCT NAME & CAS NUMBER

Product Name	Ethylene Vinyl Acetate (EVA)
Chemical Formula	$(C_2H_4)_x(C_4H_6O_2)_y$
CAS Number	24937-78-8

### MAIN APPLICATIONS

- Footwear soles, midsoles, foam sheets, and molded cushioning parts
- Hot-melt adhesives, sealants, and bonding formulations
- Flexible film, packaging compounds, and extrusion applications
- Wire and cable compounds requiring flexibility and impact resistance
- Solar encapsulant films and specialty polymer modification

### KEY PROPERTIES

Property	Typical Description
Appearance	Translucent to milky-white pellets or granules
Odor	Practically odorless to slight polymer odor
Purity	Commercial polymer grade; vinyl acetate content depends on grade
Density	Approx. 0.92–0.96 g/cm <sup>3</sup> , grade dependent
Solubility	Insoluble in water; soluble or swellable in selected organic solvents
pH	Not applicable for solid polymer resin

### STORAGE CONDITIONS

Store in a cool, dry, and well-ventilated area away from direct sunlight, excessive heat, ignition sources, and strong oxidizing agents. Keep bags or containers tightly closed when not in use. Protect the material from moisture, dust contamination, and mechanical damage during handling and warehousing.

**Technical Disclaimer:** The information provided in this TDS is a general technical summary based on typical commercial EVA grades. Final specifications may vary by supplier, grade, vinyl acetate content, melt flow index, and production batch. Users should verify suitability through their own testing and request the official Certificate of Analysis before industrial use.