

Technical Datasheets

EVA (Ethylene Vinyl Acetate): Technical Material for Industrial and Creative Use

EVA (Ethylene Vinyl Acetate) is a soft yet durable expanded polymeric plastic material, widely used in industrial and professional contexts thanks to its unique combination of flexibility, lightness, insulation properties, and workability.

Key Technical Features:

- High flexibility, even at low temperatures
- Good resistance to impact and compression
- Excellent thermal and acoustic insulation properties
- Waterproof and resistant to weathering
- Easy to process (cutting, thermoforming, gluing)
- Available in various densities, thicknesses, and colors

Industrial Applications:

EVA is employed in numerous manufacturing and technical fields, including:

- Technical packaging and industrial protection: shock-absorbing inserts, separators, gaskets
- Thermal and acoustic insulation: used in lightweight construction, HVAC, and automotive
- Footwear industry: soles, insoles, and cushioning midsoles
- Electronics and automotive components: anti-vibration parts, molded interiors, linings
- Medical and healthcare sectors: padding, orthopedic supports, customized aids
- Technical coverings: anti-slip mats, protective layers, sound-absorbing modules

Creative and Hobbyist Applications:

Thanks to its ease of handling and versatility, EVA has also become a go-to material in the hobby and arts sector, especially for:

- Cosplay and costume design: creation of armor, accessories, masks, helmets, and prop weapons
- Theater and film set design: lightweight yet durable elements, easy to paint and shape
- Static or dynamic modeling: coverings, shaped components, decorative textures
- Education and crafts: creative projects, children's crafts, decorations