

Advanced Polymer Solutions

Arthas International Trading FZE

Arthas International Trading FZE specializes in advanced polymer solutions, offering end-to-end supply chain services to industries like water/energy infrastructure and automotive. Polymers are replacing traditional materials due to their versatility and efficiency, and Arthas helps clients navigate this shift with sourcing, logistics, and market intelligence.



EVOH (Ethylene Vinyl Alcohol)

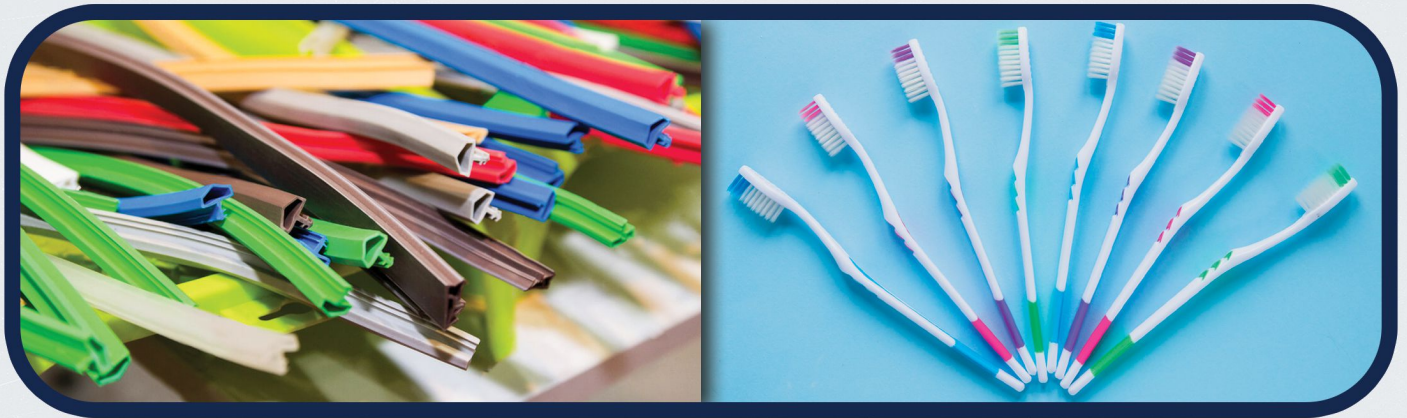
EVOH is known for its excellent gas barrier properties, preventing oxygen and other gases from permeating. It is used in multi-layer films, sheets, and bottles for food, cosmetics, and healthcare packaging. Available in grades with 24% to 44% ethylene content.



Thermoplastic Elastomers

(TPE/TPV)

These polymer alloys combine the properties of vulcanized elastomers without curing. They resist UV, ozone, weathering, and chemicals, operating between -40°C to 120°C . Applications include automotive parts, appliances, electronics, and medical devices.



Natural Rubber

Valued for elasticity and durability, used in automotive tires, industrial hoses, footwear, and sporting equipment. Available in grades like RSS, SMR, SVR, and Latex.



Engineering Polymers

Polypropylene /Calcium Carbonate (CaCO₃)

Enhances mechanical properties like impact resistance and thermal stability. Used in automotive, construction, and household products.

Polyethylene /Calcium Carbonate (CaCO₃)

Improves dimensional stability and cost efficiency. Applications include automotive, construction, and agriculture.



PE-RT

(Polyethylene of Raised Temperature Resistance)

A multimodal polyethylene for hot/cold-water pipe systems, featuring long-term hydrostatic resistance. Ideal for floor heating, radiator connections, snow-melt systems, and industrial piping. Excels in extreme temperatures and stress crack resistance.

