



PVC COMPOUNDS FOR MEDICAL APPLICATIONS





NAKAN® / PVC COMPOUNDS FOR MEDICAL APPLICATIONS

– Research and Development

Many years of experience have enabled our laboratories to perfect and select formulations adapted to specialised market requirements.

Additionally, our laboratories are ready to be of service to our customers to study modifications to formulations, as required. Thanks to their know-how, our laboratories can create “made-to-measure” formulations for any medical application.

– Quality

A dedicated plant producing medical grades exclusively, combined with a tight control of raw materials and a rigorous and constant monitoring of manufacturing granulation processes, guarantee quality, consistency and purity in our Nakan® compounds.

– Regulations

Nakan® medical PVC compounds are formulations complying with the European Pharmacopoeia and with biological tests required by USP.

– Sterilisation

All products are suitable for ETO sterilisation.

Specific formulations meet the requirements of Gamma irradiation and steam sterilisation.

❖ Our range of specialty grades includes:

- Self-frosted effect compounds.
- Good recovery extrusion compounds for peristaltic pump.
- ETO and Gamma resistant blow-moulding compounds.
- DOP-free compounds.

❖ Applications:

Nakan® medical PVC compounds can be used in a wide range of medical devices: equipment in contact with human tissue; soft PVC for blood bags and solution bags; drip chambers and tubes for infusion and transfusion sets; tube connectors for haemodialysis lines; rigid connectors, caps and covers; luer lock, pillow, spikes for infusion sets; heparine tubes; surgical and stomach probes; spiral tubes and oxygen masks; catheters, etc.



Our customers' specific needs and requirements will be examined by our technical service, which can provide comprehensive advice and support with development.

All coloured types are processed using pigments or masterbatches in compliance with European and FDA regulations.



A global chemical player, Arkema consists of 3 coherent and balanced business segments:

- Vinyl Products: Chlorochemicals and PVC, Vinyl Compounds, Pipes and Profiles (Alphacan),
- Industrial Chemicals: Acrylics, PMMA (Altuglas International), Thiochemicals, Fluorochemicals, Hydrogen Peroxide,
- Performance Products: Technical Polymers, Specialty Chemicals (Ceca), Organic Peroxides, Additives, Urea Formaldehyde Resins, Agrochemicals (Cerexagri).

Arkema develops its activities by combining safety and environmental protection, client proximity, industrial reliability, and competitiveness.

Present in over 40 countries with 18,600 employees, Arkema achieves sales of 5.2 billion euros.

With its 6 research centers in France, the United States and Japan, and internationally recognized brands, Arkema holds leadership positions in its principal markets.

Arkema is today one of Europe's and indeed one of the world's largest producers of vinyl thermoplastics. Its eleven production plants in Europe, and Vietnam (nine for flexible and rigid applications and two for bottles) combine with the Group's comprehensive sales network around the world to ensure reliable supplies, flexible high performance production, prompt delivery anywhere in the world, and readily available on-site customer assistance.

All these plants, which are working towards ISO 9000 quality certification, guarantee quality, consistency and adaptability both for the Company's range of vinyl thermoplastics, sold under the Nakan® trade name, and for its speciality products such as Sunprene® elastomers, Dry Sol® slush moulding powders, and packaging from Dorlyl, and the world leader in this field.

Arkema's vinyl thermoplastics operations are backed by the Group's major research facilities and by each site's quality control and development laboratories. This R&D strength enables Arkema to extend its range continually and to respond promptly to its customer's specific requests.

Arkema has invested heavily in studying and in setting up end-product recovery and recycling schemes. The group, which has carried out much work on all aspects of manufacture, is working in partnership with many others to achieve vinyl thermoplastics recycling through material, chemical or energy recovery methods.