

10 Key Reasons to Choose PVC in Healthcare Applications



PROVEN SAFETY

PVC has been safely used in disposable medical device applications for over 70 years. European Pharmacopoeia monographs apply to PVC for use in disposable applications.



RECYCLABILITY

The VinylPlus® Med project demonstrates that disposable PVC medical devices can be turned into durable healthcare products.



EXTENSIVE VERSATILITY

PVC is used in a wide variety of medical applications such as tubing, oxygen masks and blood bags. PVC is also used for mattress covers, rehabilitation aids, flooring, ceiling and wall coverings, pipes, windows, cables and much more in healthcare facilities.



HIGH COMPATIBILITY

PVC is characterised by high biocompatibility, and this can be increased further by appropriate surface modification. PVC is also compatible with virtually all pharmaceutical products in healthcare facilities today.



WIDEST RANGE OF BENEFITS

PVC's unique technical properties include biocompatibility, antikinking, excellent transparency, chemical resistance and easy sterilisation.



DESIGN FREEDOM

Vinyl, another word for PVC, gives architects endless design options for hospital interiors, making them more welcoming for all.



COST-EFFECTIVE

None of the alternatives to PVC in healthcare offer the same price-performance ratio. The cost of replacing PVC with alternative materials would equate a 30% price increase for medical devices.



LOW-CARBON MATERIAL

PVC has a low carbon footprint since it is made from 57% salt, 5% hydrogen and 38% ethylene from oil or natural gas. Bio-attributed and bio-circular PVC as well as non-fossil based additives are also available on the market.



CONTINUOUS INNOVATION

Ongoing industry research and innovation have expanded the range of safe plasticisers for medical applications.



EASE OF PROCESSING

PVC is easy to process with all common plastic converting technologies.