

Tristel™ Clean for Stella

Tristel Clean for Stella Material Compatibility

Extensive material compatibility testing has been carried out on Tristel Clean for Stella against various types of medical device and surface component materials. Testing has been performed by immersion to represent a worst-case scenario and is equivalent to an approximate medical device lifespan of 10 years. This includes, but is not limited to, the materials found below.

This document should be used as a guide for overall compatibility only and may not be relevant for every type or variant of a specific material. It is recommended to perform individual material compatibility testing to determine compatibility with a specific medical device or surface, as component materials can vary. Always refer to the medical device manufacturer's care card or material compatibility approval list for approved cleaning agents and disinfectants.

Material	Compatibility Rating			
	Excellent	Good	Fair	Poor
METALS				
Aluminium - anodised	X			
Aluminium - bare	X			
Stainless steel 1.4301 (AISI 304)	X			
Stainless steel 1.4401 (AISI 316)	X			
PLASTICS				
Acrylonitrile butadiene styrene (ABS)	X			
PC+ABS blend	X			
Perfluoro alkoxy polymer (PFA)	X			
Polyamide 6 (PA6)	X			
Polyamide 6.6 (PA6.6)	X			
Polycarbonate (PC)	X			
Polyether ether ketone (PEEK)	X			
Polyetherimide (PEI)	X			
Polyethylene (PE) - high and low density	X			
Polyethylene terephthalate (PET)	X			
Polymethylmethacrylate (PMMA)	X			
Polymethylpentene (PMP/TPX)	X			
Polyoxymethylene (POM, Polyacetal)	X			
Polyphenylsulfone (PPSU)	X			
Polypropylene - copolymer (PP-C)	X			
Polypropylene - homopolymer (PP-H)	X			
Polystyrene (PS) - rigid	X			
Polytetrafluoroethylene (PTFE)	X			
Polyurethane (PU) - 35A	X			
Polyurethane (PU) - 95A	X			
Polyurethane (PU) - lacquered	X			
Polyurethane (PU) - rigid	X			
Polyvinyl chloride - plasticized/flexible (PVC)	X			
Polyvinyl chloride - unplasticized (uPVC)	X			
Polyvinylidene fluoride (PVDF)	X			

Material	Compatibility Rating			
	Excellent	Good	Fair	Poor
RUBBER				
Ethylene propylene diene monomer (EPDM) rubber	X			
Fluoro rubber/elastomer (FKM/FPM)	X			
Natural rubber	X			
Nitrile rubber	X			
Silicone rubber	X			
Thermoplastic polyamide (TPE-A) - polyether block amide	X			
Thermoplastic vulcanizate (TPE-V) - PP/EPDM	X			
ADHESIVES/RESINS				
Acrylic resin	X			
Cyanoacrylate	X			
Epoxy resin	X			
Epoxy resin (heat cured)	X			
Silicone adhesive	X			

Key:

Excellent: No visible/tactile changes

Good: Slight cosmetic changes such as mild discolouration

Fair: Medium changes can be observed such as strong discolouration

Poor: Degradation past the cosmetic state; early signs of pitting, stickiness, brittleness or corrosion/oxidisation