

Material Compatibility with H₂O₂ Gas Plasma



Most Compatible		Least Compatible
<u>PLASTIC and ELASTOMER</u>		<u>PLASTIC and ELASTOMER/other</u>
UHMWPE/HDPE/LDPE/PE	Polymethylmethacrylate (PMMA)	Cellulosic (Cotton/linen/wood products)
Polypropylene (PP)	Polyacetal	Protein (wool/silk/human skin)
Silicone, Medical Grade	Polylactic acid (PLA)	But acrylates
Polytetrafluoroethylene (PTFE, Teflon)	Acrylic/Acrylic adhesives	Collagen (depending on application)
Thermoplastic elastomer (TPE/Hytrel)	Polyurethane	Bioabsorbable polymer (Other than PLA, Polyglycolide PGA)
Polyvinylchloride (PVC)	Sintered Glass (>Surface Area)	Natural Rubber (neoprene, santoprene)
Polycarbonate (PC)	Polyesters	Copper Large quantities)
Polysulfide (PSF)	Nylons	Brass (large quantities)
Polyethylene terephthalate glycol copolymer (PETG)	Hydrogels (dehydrated)	
Polystyrene (PS)	Carbon Fibr resin	
Polyetherether Ketone (PEEK)	Collagen (hemostat sponges)	
Polyetherimide		
ABS		
Butyl Rubber		