

Material - Manufacturer & Grade	VP Code	Gamma Radiation Sterilization*	Ethylene Oxide Sterilization	Autoclave Sterilization
ABS (Lace White) - INEOS Lustran 348-000000	-81	Compatible up to 5 Mrads	Good	Not suitable due to low heat deflection temperatures
ABS, MABS (Methyl Methacrylate) - BASF Terluc 2802 TFR	-8003, SCV Series	Withstands up to 5 Mrad doses without yellowing	Good	Poor; components may distort due to low heat deflection temperatures
ABS (Sno White) - INEOS Lustran 348-012002	-8012	Compatible up to 5 Mrads	Good	Not suitable due to low heat deflection temperatures
Acetal - DuPont Delrin 500P	-10	Compatible up to 1 Mrad	Excellent	Very good
Acetal Copolymer - BASF Ultralorm N 2320 003	-1006, -1007	Compatible up to 1.5 Mrads	Excellent	Very good
Acrylic - Cyro Cyrolite Med 2	-50	Very good up to commonly used doses (6 Mrads)	Excellent	Not recommended
Nylon (PA 66) - DuPont Zytel 101F	-0, -1, -2, -3, -4, -5, -06, -07	Very good; may discolor to brownish hue	Very good; some susceptibility to oxidizing agents	Very good; product may swell slightly due to water absorption
Nylon (PA 66) - DuPont Zytel SC310 NC010	-U1, U5, -U01, -U05	Very good; may discolor to brownish hue	Very good; some susceptibility to oxidizing agents	Very good; product may swell slightly due to water absorption
Nylon (Glass Reinforced) - DuPont Zytel 70G30L	-U71, -U75	Very good; may discolor to brownish hue	Very good; some susceptibility to oxidizing agents	Excellent
Nylon (Glass Reinforced) - DuPont Zytel 70G33L	-72	Very good; may discolor to brownish hue	Very good; some susceptibility to oxidizing agents	Excellent
Polycarbonate (Clear) - Bayer Makrolon 2558 5501 15	-9	Compatible up to 10 Mrads with minor loss of physical properties; will discolor to yellow-green hue	Highly compatible	Poor; may craze or stress crack due to molding stresses
Polycarbonate (Clear) - Bayer Makrolon FK 1805 4511 18	-9010, SCV Series	Compatible up to 10 Mrads with minor loss of physical properties; may discolor slightly dependent upon dose/number of cycles	Highly compatible	Poor; may craze or stress crack due to molding stresses
Polycarbonate (Tinted) - Sabic Lexan HPS1	-9024	Highly compatible with reduced color shift when compared to unstabilized polycarbonate resins	Highly compatible	Not recommended
Polycarbonate (Tinted) - Syron Calibre Megarad 2081-15	-9002, DCV Series	Excellent up to 10 Mrads with minor loss of physical properties; light violet hue turns clear upon sterilization	Highly compatible	Not recommended
Polyethylene - LyondellBasell Purell PE 1840 H	SCV Series	Compatible up to 5 Mrads	Highly compatible	Not recommended
Polyethylene - Trilliant HC5420-0002 LL Natural Resin	-VP1	Highly compatible	Highly compatible	Not recommended
Polypropylene - Flint Hills PSM6K-080	-6005, -6006, -6012	Very good to commonly used sterilization doses (6 Mrads)	Highly compatible	Limited to 121°C for 20 minutes due to low heat deflection temperatures
Polysulfone - Solvay Udel P1 700 QL2611	-40	Highly compatible; will discolor to brownish hue	Excellent	Excellent
PVDF - Arkema Kyrar 1000 HD	-J1A	Highly compatible; will discolor to brownish hue	Excellent	Highly compatible
SAN - BASF 388S TR 77770	SCV Series	Compatible up to 5 Mrads	Good	Not suitable due to low heat deflection temperatures
Silicone - Wacker Elastosil LR 3003	SCV Series	Compatible up to 5 Mrads	Highly compatible	Very good

*1 Megarad (Mrad) = 10 kiloGrays (kGy)