

<b>Material/ Manufacturer &amp; Grade</b>	<b>VP Code</b>	<b>Regulatory Status of Base Resin*</b>	<b>Animal Derivative Free*</b>	<b>Gamma Radiation** (Sterilization)</b>	<b>Ethylene Oxide (Sterilization)</b>	<b>Autoclave (Sterilization)</b>
<b>ABS</b> Dow Magnum 9020	-81	21 CFR 181.32 FDA Approved for Food Contact; RoHS Compliant	No	Compatible up to 1 Mrad	Not recommended	Poor. Components may distort due to low heat deflection temperatures
<b>ABS (Methyl Methacrylate)</b> BASF Terlux 2802 TR	-8003	USP Class VI Certified; FDA Approved; RoHS Compliant	Yes	Withstands up to 5 Mrad doses without yellowing	Good	Poor. Components may distort due to low heat deflection temperatures
<b>ABS (Sno White)</b> INEOS Lustran 348-012002	-8012	USP Class VI Certified; FDA Approved; ISO 10993 Part I Compliant; RoHS Compliant	N/A	Compatible up to 5 Mrads	Good	Not suitable due to low heat deflection temperatures
<b>Acetal</b> Dupont Delrin 500P	-10	RoHS Compliant	No	Compatible up to 1 Mrad	Excellent	Very Good
<b>Acetal Copolymer</b> BASF Ultraform N 23020 003 UNC Q600	-1006	USP Class VI Certified; FDA Approved 21 CFR 177.2470; RoHS Compliant	No	Compatible up to 1.5 Mrads	Excellent	Very Good
<b>Acrylic</b> Cyrilite Med 2	-50	USP Class VI Certified; 21 CFR 177.1010 FDA Approved; RoHS Compliant	Yes	Very good up to commonly used doses (6 Mrads).	Excellent	Not Recommended
<b>Copolyester</b> Eastman EASTAR MN211 Natural	-CM018	USP Class VI Certified; ISO 10993 Compliant; RoHS Compliant	N/A	Compatible up to 6 Mrads	Highly compatible	-
<b>Nylon</b> BASF Ultramid A3K	-0USP	21 CFR 177.1500 FDA Approved; RoHS Compliant	N/A	Very good. May discolor to brownish hue.	Very good. Some suceptibility to oxidizing agents.	Very good. Product may swell slightly due to water absorption.
<b>Nylon</b> Dupont Zytel 101F	-0, -1, -2, -3, -4, -5, -06, -07	21 CFR 177.1500 FDA Approved; RoHS Compliant	No	Very good. May discolor to brownish hue.	Very good. Some suceptibility to oxidizing agents.	Very good. Product may swell slightly due to water absorption.
<b>Nylon (Glass Reinforced)</b> Dupont Zytel 70G33L	-7, -72	-	No	Very good. May discolor to brownish hue.	Very good. Some suceptibility to oxidizing agents.	Excellent
<b>Polycarbonate (Clear)</b> Bayer Makrolon 2558 550115	-9	USP Class VI Certified; 21 CFR 177.1580; FDA Approved; ISO 10993 Compliant; RoHS Compliant	No	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.
<b>Polycarbonate (Clear)</b> Bayer Makrolon Rx 1805 451118	-9010	USP Class VI Certified; ISO 10993 Compliant; RoHS Compliant	Yes	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.
<b>Polycarbonate (Tinted)</b> Dow Calibre Megarad 2081-15	-9002	ISO 10993 Compliant; RoHS Compliant	Yes	Excellent up to 10 Mrads with minor loss of physical properties. Light violet hue turns clear upon sterilization.	Highly compatible	Not Recommended
<b>Polyethylene</b> Eastman Voridian 1870A	-CM006	USP Class VI Certified; FDA Approved; RoHS Compliant	Yes	Compatible up to 6 Mrads	Highly compatible	Not Recommended
<b>Polypropylene</b> Basell Profax PD626	-6	USP Class VI Certified; 21 CFR 177.1520 FDA Approved; RoHS Compliant	No	Excellent up to commonly used sterilization doses (6 Mrads).	Good. May react poorly to EtO/CFC mix.	Poor. Components may distort due to low heat deflection temperatures
<b>Polypropylene</b> Flint Hills P5-080X	-6005	USP Class VI Certified; 21 CFR 177.1520 FDA Approved; RoHS Compliant	Yes	Very good to commonly used sterilization doses (6 Mrads).	Highly compatible	Not Recommended
<b>Polysulfone</b> Solvay Udel P1700 MG11	-F1A	USP Class VI Certified; 21 CFR 177.1655 FDA Approved; RoHS Compliant	Yes	Highly compatible. Will discolor to brownish hue.	Excellent	Excellent
<b>Polysulfone</b> Solvay Udel P1700 CL2611	-40	21 CFR 177.1655 FDA Approved	Yes	Highly compatible. Will discolor to brownish hue.	Excellent	Excellent
<b>PVDF</b> Arkema Kynar 1000 HD	-J1A	USP Class VI Certified; 21 CFR 177.1500 FDA Approved; RoHS Compliant	Yes	Highly compatible. Will discolor to brownish hue.	Excellent	Highly Compatible
<b>*as determined by resin manufacturer</b>		<b>**1 Megarad (Mrad) = 10 kiloGrays (kGy)</b>				