The data presented here is for reference only. It was compiled primarily from the resin manufacturers' data to provide our customers with a means of comparing the characteristics of components at the time of publication. The particular conditions of your use and application of our products are beyond our control. Thus, it is imperative that you test our products in your specific application to determine their suitability. All information is provided without implied or express warranty or guarantee by Value Plastics® or other manufacturers. None of the information provided constitutes a recommendation or endorsement of any kind by Value Plastics®.



Assistant Assi		(Sterilization)	(Sterilization)
ABS (Methyl Methacrylate) -8003 USP Class VI Certified: FDA Approved; Yes ABS (Saw Wilkle) -8012 USP Class VI Certified: FDA Approved; N/A ARS (Saw Wilkle) -10 RodfS Class VI Certified: FDA Approved 2 I CFR N/A Acetal Copolymen -100 RodfS Class VI Certified: FOA Approved 2 I CFR No Acetal Copolymen -100 Rodf Scompleant No Acetal Copolymen -100 Rodf Scompleant No Acetal Copolymen -50 USP Class VI Certified; SO Graphinat No Acetylic -50 USP Class VI Certified; SO TOO Approved; No Acetylic -60 -1, -2, -3, and and approved; No Copolycester -60 -1, -2, -3, and and approved; No Copolycester -60 -1, -2, -3, and and approved; No Copolycester -60 -1, -2, -3, and and approved; No Mylon USP Class VI Certified; SO TOO Approved; No Polycerhorner (Clear) -0, -1, -2, -3, and and approved; RodfS Complemen No Polycerhorner (Cle	Compatible up to 1 Mrad	Not recommended	Poor. Components may distort due to low heat deflection temperatures
ABS (Ston White) -9012 USP Class VI Certified; FDA Approved; IN/A MistS (Lustrum 348-0):2002 -1.0 RoHS Campliant N/A Aceas (Copolymer -1.0 18.7 (24.70; McHrifted; FDA Approved 21 CRR No Acrylin Logical Osto UNIC (Good 17.7 (24.70; McHrifted; EDA Approved 21 CRR No Acrylin Logical Osto UNIC (Good 17.7 (24.70; McHrifted; EDA Approved; Compliant; No/A N/A Acrylin Logical Osto UNIC (Good 17.7 (10) FDA Approved; RoHS (Compliant; No/A N/A Acrylin Logical Osto UNIC (Good -0.1, -2, -3; TCR 177.1500 FDA Approved; No N/A Mylon -0.1, -2, -3; TCR 177.1500 FDA Approved; No N/A Mylon (Gless Reinforced) -0, -1, -2, -3; TCR 177.1500 FDA Approved; No No Mylon (Gless Reinforced) -7, -72 -7 -7 Polyverhoente (Clear) -7, -72 -7 -7 Boyler (Makrolon RS 1805 451118) -9 USP Class VI Certified; 150 10993 Compliant; Ves Polyverhoente (Clear) -9 USP Class VI Certified; 150 10993 Compliant; Ves Polyverhoente (Clear) -0 -1, -2, -3; TCR 177.1550 FDA Approved; Rompliant; Ves Polyverhoente (Cl	Withstands up to 5 Mrad doses without yellowing	Good	Poor. Components may distort due to low heat deflection temperatures
Actual Delain 500P -10 RoHS Compliant No Actual Capalymer -106 USP Class VI Certified; FDA Approved 21 CFR No Actual Capalymer -50 USP Class VI Certified; FDA Approved 21 CFR No Actual Capalymer -50 USP Class VI Certified; BOI 10993 Campliant Yes Copolysester -CM018 USP Class VI Certified; BOI 10993 Campliant N/A Essiman ESSIAR MIZI1 Hatural -O.123 21 CFR 177.1500 FDA Approved; N/A BAPS Ultramid A3K -0123 21 CFR 177.1500 FDA Approved; N/A BAPS Ultramid A3K -0123 21 CFR 177.1500 FDA Approved; N/A Dupont Zytel 101F -0123 21 CFR 177.1500 FDA Approved; N/A Dupont Zytel TOGS31 -772 - <td>Compatible up to 5 Mrads</td> <td>Good</td> <td>Not suitable due to low heat deflection temperatures</td>	Compatible up to 5 Mrads	Good	Not suitable due to low heat deflection temperatures
Acetal Capolymer 1006 USP Class VI Certified; FDA Approved 2 I CFR No Acrylite -50 USP Class VI Certified; 21 CFR Yes Cyrolite Med 2 -50 USP Class VI Certified; ISO 10993 Compliant Yes Copolysester CM018 USP Class VI Certified; ISO 10993 Compliant; N/A Rosh Station Will all Matural -0.1, -2, -3. 21 CFR 177.1500 FDA Approved; N/A Rosh Station Exist Mile II Matural -0, -1, -2, -3. 21 CFR 177.1500 FDA Approved; N/A Nylon Polycan Exist Mile III Matural -0, -1, -2, -3. 21 CFR 177.1500 FDA Approved; N/A Nylon CM018 Rosh Scampliant N/A N/A Nylon CM018 Rosh Scampliant N/A Nylon CM018 USP Class VI Certified; ISO 10993 Compliant; Yes Polycarbonate (Tented) -9 USP Class VI Certified; ISO 10993 Compliant; Yes Polycarbonate (Tented) -9010 USP Class VI Certified; ISO 10993 Compliant; Yes Polycarbonate (Tented) -9022 USP Class VI Certified; PDA Approved; Yes Po	Compatible up to 1 Mrad	Excellent	Very Good
Acrylic Copolyvester -50 USP Gass VI Certified; 21 CFR Yes Copolyvester Extramat ESTAR MW211 Metural Myon Dupont Jyrel 101F -CM018 USP Gass VI Certified; ISO 10993 Compliant; N/A N/A BS5 Ultramid A3K Myon Dupont Jyrel 101F -0, -1, -2, -3, 2, -3, 21 CFR 177.1500 FDA Approved; No Boyer Mydro (Glass Reinforced) -0, -1, -2, -3, 21 CFR 177.1500 FDA Approved; No Boyer Mydro (Glass Reinforced) -7, -72 - 1 CFR 177.1500 FDA Approved; No Boyer Mydro (Glass Reinforced) No Dupont Jyrel 101F - 0, -1, -2, -3, 21 CFR 177.1500 FDA Approved; No Boyer Mydro (Glass Reinforced) -7, -72 - 1 CFR 177.1500 FDA Approved; No Boyer Mydro (Glass Reinforced) No Dupont Jyrel 101F	Compatible up to 1.5 Mrads	Excellent	Very Good
Copolyester Estimate BASTAR MN211 Natural -CM018 USP Gongliant RoHS Compliant N/A Nydom Nydom -0.15 2.3 21 GFR 177.1500 FDA Approved; N/A BASF Ultramid A3K -0, -1, -2, -3, -3 21 GFR 177.1500 FDA Approved; N/A Nydom (Glass Reinforced) -7, -72 -	Very good up to commonly used doses (6 Mrads).	Excellent	Not Recommended
Nylon BASE Ultramid A3K -0USP 21 CFR 177.1500 FDA Approved; N/A BASE Ultramid A3K -0, -1, -2, -3, -3 21 CFR 177.1500 FDA Approved; No Nylon -0, -1, -2, -3, -06, -07 ROHS Compliant No Nylon (Glass Reinforced) -7, -72 - No Dupont Zyrel 101F -7, -72 - No Polycarbonate (Clear) -9 USP Class VI Certified; 21 CFR 177.1580; FDA Approved; No Bayer Makrolon Rx 1805 451118 -9010 USP Class VI Certified; 1SO 10993 Compliant; Yes Polycarbonate (Tinted) -9002 USP Class VI Certified; 1SO 10993 Compliant; Yes Dow Calibre Megarrad 2081-15 -9002 USP Class VI Certified; 1SO 10993 Compliant; Yes Polycropylene -6 USP Class VI Certified; EDA Approved; RoHS Compliant Yes Polypropylene -6 USP Class VI Certified; 21 CFR No Basell Profax PD626 -6 USP Class VI Certified; 21 CFR Yes Polypropylene -6 USP Class VI Certified; 21 CFR Yes Polypropylene -6 USP Class VI Certified; 21 CFR Yes	Compatible up to 6 Mrads	Highly compatible	,
Nylon -0, -1, -2, -3, -3, -06, -07 21 GR 177.1500 FDA Approved; No Dupont Zytel 101F -4, -5, -06, -07 ROHS Campliant No Nylon (Glass Reinforced) Dupont Zytel 70633.1 -7, -72 - No No Polycarbonate (Glear) Bayer Makrolon Zys8 550115 -9010 USP Class VI Certified; 21 GR 177.1580; FDA Approved; No Polycarbonate (Glear) Bayer Makrolon Zys8 550115 -9010 USP Class VI Certified; ISO 10993 Compliant; Yes Bayer Makrolon Zys8 150115 Yes Polycarbonate (Tinted) Dow Calibre Megarad 2081-15 -9002 USP Class VI Certified; ISO 10993 Compliant; Yes Dow Calibre Megarad 2081-15 Yes Polyethylene Eastman Voridian 1870A -6 USP Class VI Certified; EDA Approved; RoHS Compliant Yes Polypropylene Eastman Voridian 1870A -6 USP Class VI Certified; 21 GR RoHS Compliant Yes Polypropylene Eastman Voridian 1870A -6 USP Class VI Certified; 21 GR RoHS Compliant Yes Polypropylene Enit Hilk P5-080X -6 USP Class VI Certified; 21 GR RoHS Compliant Yes Polysutione Solvoy Usel P1700 MG11 -7.13 USP Class VI Certified; 21 GR RoHS Compliant Yes	Very good. May discolor to brownish hue.	Very good. Some suceptibility to oxidizing agents.	Very good. Product may swell slightly due to water absorption.
Nylon (Glass Reinforced) -7, -72 -7, -72 No Duponi Zytel 70G33L -9 USP Class VI Certified; 21 CFR 177.1580; FDA Approved; No Bayer Makrolon 2558 550115 -9010 USP Class VI Certified; 150 10993 Compliant Ves Polycarbonate (Clear) -9010 USP Class VI Certified; 150 10993 Compliant; Ves Ves Polycarbonate (Tinted) -9002 USP Class VI Certified; 150 10993 Compliant; Ves Ves Polycarbonate (Tinted) -9002 USP Class VI Certified; 150 10993 Compliant; Ves Ves Polycarbonate (Tinted) -9002 USP Class VI Certified; 150 10993 Compliant; Ves Ves Polypropylene -6 USP Class VI Certified; 150 Approved; No Ves Polypropylene -6 USP Class VI Certified; 21 CFR Yes Polysulfone -6005 USP Class VI Certified; 21 CFR Yes Polysulfone -F1A USP Class VI Certified; 21 CFR Yes Solvoy Udel P1700 MG11 -F1A USP Class VI Certified; 21 CFR Yes	Very good. May discolor to brownish hue.	Very good. Some suceptibility to oxidizing agents.	Very good. Product may swell slightly due to water absorption.
Polycarbonate (Clear) -9 USP Class VI Certified; 21 CfR 177.1580; FDA Approved; No Bayer Makrolon 2558 550115 -9010 USP Gass VI Certified; ISO 10993 Compliant; Ves Polycarbonate (Clear) -9002 USP Class VI Certified; ISO 10993 Compliant; Ves Polycarbonate (Tinted) -9002 USP Gass VI Certified; ISO 10993 Compliant; Ves Polyethylene -CM006 USP Gass VI Certified; FDA Approved; Ves Ecstiman Voridian I870A -6 USP Gass VI Certified; FDA Approved; RoHS Compliant Polypropylene -6 USP Gass VI Certified; 21 CFR Polysulfone -6005 USP Gass VI Certified; 21 CFR Polysulfone -F1A USP Gass VI Certified; 21 CFR Polysulfone -6005 USP Gass VI Certified; 21 CFR Polysulfone -F1A USP Gass VI Certified; 21 CFR Polysulfone -F1A USP Gass VI Certified; 21 CFR	Very good. May discolor to brownish hue.	Very good. Some suceptibility to oxidizing agents.	Excellent
Polycarbonate (Clear) -9010 USP Gass VI Certified; ISO 10993 Compliant; Yes Bayer Makrolon Rx 1805 451118 -9002 USP Gass VI Certified; ISO 10993 Compliant; Yes Dow Calibre Megarad 2081-15 -CM006 USP Gass VI Certified; FDA Approved; Yes Polyerthylene Eastman Voridian 1870A -CM006 USP Gass VI Certified; FDA Approved; Yes Bossell Profax PD626 -6 USP Gass VI Certified; 21 CFR No Polypropylene Film Hills P5-080X -6005 USP Gass VI Certified; 21 CFR Yes Polysulfone Film Hills P5-080X -F1A USP Gass VI Certified; 21 CFR Yes Solvay Udel P1700 MG11 -F1A USP Gass VI Certified; 21 CFR Yes	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 (Tinted) -9002 USP Gass VI Certified; ISO 10993 Compliant; Yes Dow Calibre Megarad 2081-15 -CM006 USP Gass VI Certified; FDA Approved; Yes Eastman Voridinn 1870A -GM006 USP Gass VI Certified; FDA Approved; Yes Polypropylene -6 USP Gass VI Certified; 21 CFR No Polypropylene -6005 USP Gass VI Certified; 21 CFR Yes Flint Hills P5-080X 177.1520 FDA Approved; RoHS Compliant Yes Polysulfone -F1A USP Gass VI Certified; 21 CFR Yes Solvay Udel P1700 MG11 -F1A USP Gass VI Certified; 21 CFR Yes	Comparible 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.
Polyerbylene -CM006 USP Gass VI Certified; FDA Approved; Yes Eastmann Voridian 1870A -6 USP Gass VI Certified; 21 CFR No Bosell Profax PD626 -6 177.1520 FDA Approved; RoHS Compliant No Polypropylene Film Hills P5-080X -6005 USP Gass VI Certified; 21 CFR Yes Polysulfone Solvay Udel P1700 MG11 -F1A USP Gass VI Certified; 21 CFR Yes Solvay Udel P1700 MG11 -F1A USP Gass VI Certified; 21 CFR Yes	Excellent up to 10 Mrads with minor loss of physical properties. Light violet hue turns clear upon sterilization.	Highly compatible	Not Recommended
-6 USP Class VI Certified; 21 CFR No 177.1520 FDA Approved; ROHS Compliant -6005 USP Class VI Certified; 21 CFR Yes 177.1520 FDA Approved; ROHS Compliant -F1A USP Class VI Certified; 21 CFR Yes 177.1655 FDA Approved; ROHS Compliant	Compatible up to 6 Mrads	Highly compatible	Not Recommended
-6005 USP Class VI Certified; 21 CFR Yes 177.1520 FDA Approved; ROHS Compliant -F1A USP Class VI Certified; 21 CFR 177.1655 FDA Approved; ROHS Compliant	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
-F1A USP Class VI Certified; 21 CFR 177.1655 FDA Approved; ROHS Compliant	Very good to commonly used sterilization doses (6 Mrads).	Highly compatible	Not Recommended
	Highly compatible. Will discolor to brownish hue.	Excellent	Excellent
Polysulfone -40 21 CFR 177.1655 FDA Approved Yes Highl	Highly compatible. Will discolor to brownish hue.	Excellent	Excellent
PVDF -J1A USP Class VI Certified; 21 CFR Yes High Atofina Kynar 1000 HD 177.1500 FDA Approved; RoHS Compliant	Highly compatible. Will discolor to brownish hue.	Excellent	Highly Compatible