



VALUE PLASTICS, INC.



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 Australian Distributors:
 Importers & Manufacturers

Material - Manufacturer & Grade	VP Code	Gamma Radiation Sterilization*	Ethylene Oxide Sterilization	Autoclave Sterilization
ABS (Lace White) - Dow Magnum 9020	-81	Compatible up to 1 Mrad	Not recommended	Poor. Components may distort due to low heat deflection temperatures
ABS (Methyl Methacrylate) - BASF Terlux 2802 TR	-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 Ultradom N 23020 003 UMC 0600	-1006	Compatible up to 1.5 Mrads	Excellent	Very Good
Acrylic - Cyrolite Med 2	-50	Very good up to commonly used doses (6 Mrads).	Excellent	Not Recommended
Copolyester - Eastman EASTAR MN211 Natural	-CM018	Compatible up to 6 Mrads	Highly compatible	N/A
Nylon - 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 (Glass Reinforced) - Dupont Zytel 70G33L	-7, -72	Very good. May discolor to brownish hue.	Very good. Some susceptibility to oxidizing agents.	Excellent
Polycarbonate (Clear) - Boyer Makrolon 2558 550115	-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) - Boyer Makrolon Rx 1805 451118	-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) - Dow 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 - Eastman Voridan 1870A	-CM006	Compatible up to 6 Mrads	Highly compatible	Not Recommended
Polyethylene - Bassell Purell PE 1840 H	SCV Series	N/A	N/A	N/A
Polypropylene - Bassell Profax PD626	-6	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
Polypropylene - Flint Hills P5-080X	-6005	Very good to commonly used sterilization doses (6 Mrads).	Highly compatible	Not Recommended
Polysulfone - Solvay Udal P1700 M611	-4001	Highly compatible. Will discolor to brownish hue.	Excellent	Excellent
Polysulfone - Solvay Udal P1700 C12611	-40	Highly compatible. Will discolor to brownish hue.	Excellent	Excellent
PVDF - Arkema Kynar 1000 HD	-11A	Highly compatible. Will discolor to brownish hue.	Excellent	Highly Compatible
SAN - BASF 3885 TR 7770	SCV Series	N/A	N/A	N/A
Silicone - Wacker Elastosil LR 3003	SCV Series	N/A	N/A	N/A