



Material Sterilization Compatibility Reference Table

Disclaimer: The following table is intended to provide engineers with quick useful guidelines. Engineers should NOT rely upon these guidelines for making critical product design decisions.

| COMPOUND | ABBREVIATION | AUTOCLAVE | ETO | GAMMA | E-BEAM |
|--|--------------|-----------|-----|-------|--------|
| <u>POLYSTYRENES</u> | | | | | |
| ACETAL | POM | X | X | | |
| ACRYLICS | N/A | | X | X | X |
| ACRYLONITRILE BUTADIENE STYRENE | ABS | | X | X | X |
| METHACRYLATE ACRYLONITRILE BUTADIENE STYRENE | MABS | | X | X | X |
| POLYCARBONATE | PC | | X | X | X |
| POLYSTYRENE | PS | | X | X | X |
| STYRENE ACRYLONITRILE COPOLYMER | SAN | | X | X | X |
| <u>POLYOLEFINS</u> | | | | | |
| HIGH DENSITY POLYETHYLENE | HDPE | | X | X | X |
| LOW DENSITY POLYETHYLENE | LDPE | | X | X | X |
| POLYPROPYLENE | PP | X | X | | |
| POLYVINYL CHLORIDE (PLASTIZED) | PVC | | X | X | X |
| POLYVINYL CHLORIDE (UN-PLASTIZED) | PVC | | X | | |
| <u>ELASTOMERS</u> | | | | | |
| POLYAMIDE THERMOPLASTIC ELASTOMER | TPA | | X | X | X |
| SILICONES | N/A | X | X | X | X |
| <u>POLYAMIDES</u> | | | | | |

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| | | | | | |
|------------------------------|------|---|---|---|---|
| NYLON 6 | PA6 | | X | | |
| NYLON 12 | PA12 | | X | | |
| NYLON 66 | PA66 | | X | | |
| <u>POLYESTERS</u> | | | | | |
| COPOLYESTERS | COPE | | X | X | X |
| POLYBUTYLENE TEREPHTHALATE | PBT | | X | X | X |
| POLYETHYLENE TEREPHTHALATE | PET | | X | X | X |
| <u>FLUROPOLYMERS</u> | | | | | |
| POLYTETRAFLUOROETHYLENE | PTFE | | X | | |
| POLYVINYL FLORIDE | PVF | X | X | X | X |
| <u>THERMOPLASTICS</u> | | | | | |
| POLYPHENYLENE SULFIDE | PPS | X | X | X | X |
| POLYSULFONE | PSU | X | X | X | X |

*This general reference table provides an overall category recommendation. There is some variation based on resin manufacture.
DirectMed further warns that any decisions made based upon the content on this page will be at the readers own risk.