

Real solutions. Real medical choice.

As the healthcare industry evolves, so do your product needs. With the industry's most comprehensive selection of medically approved specialty and engineering thermoplastic materials — with FDA, United States Pharmacopeia (USP) and ISO 10993 ratings — we have the right solution for you.



| Manufacturer and trade name | USP VI | ISO 10993* | FDA / Food Contact |
|--|--------|------------|--------------------|
| Clear product offering | | | |
| Chase Plastics CP Pryme® PP | | | • |
| Evonik Industries TROGAMID® CX and T Transparent PA | | | • |
| Huntsman IROGRAN® TPU | | | • |
| Idemitsu Tarflon® PC | | | • |
| KRAIBURG Thermolast® M SEBS/SEPS | • | • | • |
| LG Chem Transparent ABS | • | • | • |
| LG MMA PMMA | | | • |
| Mitsubishi Engineering Plastics Lupilon® PC | • | • | • |
| Mitsui TPX® PMP Copolymer | | | • |
| Plaskolite Optix® PMMA/Acrylic | • | | • |
| Plastic Selection Group Kostrate® Edge Terpolymer | • | | • |
| SK Chemicals Skygreen® PETG | • | • | • |
| Sylvin Technologies Flexible PVC | | | • |
| Soft touch product offering | | | |
| DSM Engineering Plastics Arnitel® COPE | • | | • |
| Huntsman IROGRAN® TPU | | | • |
| KRAIBURG Thermolast® M SEBS/SEPS | • | • | • |
| Multibase Multiflex® SEBS/TES | | | • |
| Sylvin Technologies Flexible PVC | | | • |
| Teknor Apex Monprene® RG SEBS | | | • |
| Rigid/non-clear product offering | | | |
| Ascend Performance Materials Vdyne® PA 6/6 | | | • |
| Clariant Mevopur® Colorants and Compounds | • | • | • |
| DSM Engineering Plastics Akulon® PA 6 | • | | • |
| DSM Engineering Plastics Arnite® PBT | • | | • |
| Evonik Industries VESTAMID® L PA 12 | | | • |
| Evonik Industries VESTAKEEP® PEEK | | | • |
| Korea Engineering Plastics Kepital® POM/Acetal Copolymer | • | • | • |
| LG Chem ABS | • | | • |
| Solvay Specialty Polymers Ixef® PARA | | | • |
| Solvay Specialty Polymers Omnix® HPPA | | | • |
| Solvay Specialty Polymers Ryton® PPS | | | • |

*ISO 10993 is a finished medical device approval. Materials identified have been utilized in existing medical devices in compliance with ISO 10993 healthcare regulations.

Healthy insight

We understand the intricacies of regulatory and quality standards you're required to meet in both the medical and dental-related industries. Our experts have years of insight and expertise to guide you in the right material selection.

Sterilization Method

Count on us to bring you a solution that not only meets your sterilization requirements, but exceeds your expectations.

| Material Type | Steam (@ 121°C) | EtO (Ethylene Oxide) | Gamma (25kGy) and E-beam |
|---|--|-----------------------|--|
| Acrylonitrile Butadiene Styrene (ABS) | Not recommended — distorts | OK | OK |
| Amorphous Polyamide 12 (PA 12) | Grade dependent | OK | OK |
| Copolyester Elastomer (COPE/TPEE) | OK | OK | OK |
| Glycol Modified Polyethylene Terephthalate (PETG) | Not recommended — distorts | OK | OK |
| Polyamides (PA 6, PA 66, PA Copolymers) | OK (may swell slightly) | OK | OK (brownish hue possible) |
| Polybutylene Terephthalate (PBT) | Poor — hydrolytic attack | OK | OK (slight yellowing possible) |
| Polycarbonate (PC) | Poor — hydrolytic attack (multiple cycles) | OK | OK (potential reversible color shift) |
| Polymethyl Methacrylate (PMMA/Acrylic) | Not recommended — distorts | OK | Fair (standard grades may yellow). Special grades available. |
| Polymethylpentene (PMP) | OK | OK | OK |
| Polyoxymethylene Copolymer (POM/Acetal) | OK | OK (at room temp) | Not recommended (20kGy upper limit) |
| Polyphenylene Sulfide (PPS) | OK | OK | OK |
| Polyphthalamide (PPA) | OK | OK | OK |
| Polypropylene (PP) | Not recommended — distorts | OK (may stress crack) | Grade-dependent special stabilizers needed |
| Polyvinyl Chloride (PVC) | Grade dependent (consult for proper formulations) — rigid vinyl will distort | OK | Special grades available (color corrected, stabilized) |
| Styrene Acrylonitrile (SAN) | Not recommended — distorts | OK | OK (mechanically durable @ 200 kGy; color shift at 50 kGy) |
| Styrenic-based Thermoplastic Elastomers (SEBS) | Grade dependent | OK | OK |
| Thermoplastic Polyurethane (TPU) | Not recommended | OK | OK |
| Thermoplastic Vulcanizate (TPV) | OK | OK | OK |
| Transparent ABS | Not recommended — distorts | OK | OK |



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