

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 Transparent PA			•
Huntsman IROGRAN® TPU			•
Idemitsu Tarflon® PC			•
KRAIBURG Thermolast® M SEBS/SEPS	•	•	•
LG Chem Transparent ABS	•	•	•
LG MMA PMMA/Acrylic			•
Mitsubishi Engineering Plastics Lupilon® PC	•	•	•
Mitsui TPX® PMP Copolymer			•
Plaskolite Optix® PMMA/Acrylic	•		•
Plastic Selection Group Kostrate® Edge Terpolymer	•		•
SABIC's Specialties business LEXAN™ Copolymer	•	•	•
SABIC's Specialties business ULTEM™ Resin	•	•	•
SK Chemicals Skygreen® PETG	•	•	•
Solvay Specialty Polymers Radel® PPSU	•	•	•
Solvay Specialty Polymers Udel® PSU	•	•	•
Solvay Specialty Polymers Veradel® PESU			•
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	•		•
SABIC's Specialties business LNP™ Compound	•	•	•
SABIC's Specialties business NORYL™ Resin	•	•	•
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 knowledge 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
Transparent ABS (MABS)	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 Copolymer (PC)	OK	OK	Grade-dependent
Polycarbonate (PC)	Poor — hydrolytic attack (multiple cycles)	OK	OK (potential reversible color shift)
Polyetherimide (PEI)	OK	OK	Special grades available
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)
Modified Polyphenylene Oxide (mPPO)	Special grades available	Special grades available	Not recommended
Polyphenylene Sulfide (PPS)	OK	OK	OK
Polyphenylsulfone (PPSU)	OK	OK	OK
Polyphthalamide (PPA)	OK	OK	OK
Polypropylene (PP)	Not recommended — distorts	OK (may stress crack)	Grade-dependent, special stabilizers needed
Polysulfone (PSU)	OK	OK	OK
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



The marks identified herein are registered trademarks of their respective owners. Any recommendation by Chase Plastics' personnel for the use of any material is based on tests or experience believed to be reliable. However, since the final processing and use of the product are beyond our control, we make no warranty as to such use or effects incidental to such use, handling or sale. © September 2019, Chase Plastic Services, Inc.

6467 Waldon Center Drive • Clarkston, MI 48346
248-620-2120 • orders 800-232-4273 • fax 248-620-3192

ChasePlastics.com

