## 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			٠
Evonik Industries TROGAMID® CX Transparent PA			•
Huntsman IROGRAN® TPU			٠
Idemitsu Tarflon® PC			٠
KRAIBURG Thermolast® M SEBS/SEPS	•	•	٠
LG Chem Transparent ABS	٠	٠	٠
LG MMA PMMA/Acrylic			•
Mitsubishi Engineering Plastics Iupilon® PC	•	•	•
Mitsui TPX® PMP Copolymer			•
Plaskolite Optix® PMMA/Acrylic	•		•
Plastic Selection Group Kostrate® Edge Terpolymer	•		•
SABIC's Specialties business LEXAN™ Copolymer	•	•	٠
SABIC's Specialties business ULTEM™ Resin	•	•	•
SK Chemicals Skygreen® PETG	•	•	•
Solvay Specialty Polymers Radel® PPSU	•	•	•
Solvay Specialty Polymers Udel® PSU	•	•	٠
Solvay Specialty Polymers Veradel® PESU			٠
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 Vydyne® 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	٠	٠	٠
SABIC's Specialties business NORYL™ Resin	•	•	•
Solvay Specialty Polymers Ixef® PARA			•
Solvay Specialty Polymers Omnix® HPPA			
			٠

Chase Plastics® Redefining Resin Distribution\*

## **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.

Alquintile Budaien Symme (ABS)Not recommended – distoristOKOKTransparen ABS (MABS)Not recommended – distoristROKROKChouben Symme (CAPCPTPE)OKOKOKChouben Storen COPCPTPE)Not recommended – distoristROKOKPolyanide APA (SA CAPAGE)Not recommended – distoristOKOKPolyanide APA (SA CAPAGE)OKOKOKPolyanide CAPA (SA CAPAGE)Polo – OKOKOKPolyandar CAPA (SA CAPAGE)Polo – OKOKOKPolyandar CAPAPolo – OKOKOKPolyandar CAPANot recommendad – distoristPolo – OKOKPolyandar CAPAPolo – OKOKOKPolyandar CAPAPolo – OKOKOK<	Material Type	Steam (@ 121°C)	EtO (Ethylene Oxide)	Gamma (25kGy) and E-beam
Amorphous Polyamide 12 (PA 12)Grade dependentOKOKCopolyester Elastomer (COPE/TPEE)OKOKOKGlycol Modified Polyethylene Terephthalate (PETG)Not recommended — distortsOKOKPolyamides (PA 6, PA 66, PA Copolymers)OK (may swell slightly)OKOK (brownish hue possible)Polytamides (PA 6, PA 66, PA Copolymers)OK (may swell slightly)OKOKOK (brownish hue possible)Polytamides (PA 6, PA 66, PA Copolymers)OK (may swell slightly)OKOK (brownish hue possible)Polytamide Copolymer (PC)OKOKOKOKPolycarbonate (PC)OKOKSpecial grades availablePolytathind (PEI)Not recommended — distortsOKSpecial grades availablePolymethylenetene (PMP)OKOKOKOKPolytomethylene Copolymer (POM/Actela)OKOKOKNot recommendedPolytonytene Sulfide (PPS)OKOKOKOKOKPolytophylene Sulfide (PPS)OKOKOKOKOKPolytophylene (PP)Not recommended — distortsOKGrade-dependent, specialPolytophylene Sulfide (PPS)OKOKOKOKPolytophylene Sulfide (PPS)Not recommended — distortsOKOKPolytophylene (PP)Not recommended — distortsOKOKOKPolytophylene (PPN)Not recommended — distortsOKGrade-dependent, specialPolytophylene (PPN)Not recommended — distortsOKSpecial grades availa	Acrylonitrile Butadiene Styrene (ABS)	Not recommended — distorts	OK	ОК
Copolyester Elastomer (COPE/TFEE)CNOKOKGlycol Modified Polyethylene Terephthalate (PETG)Not recommended — distortsOKOKPolyamides (PA 6, PA 66, PA Copolymers)OK (may swell slighty)OKOK (slight yellowing possible)Polycarbonate Copolymer (PET)Poor — hydrolytic attackOKOKGrade-dependentPolycarbonate CPO)OKOKOKSpecial grades availablePolycarbonate (PET)OKOKSpecial grades availablePolyetherimide (PEI)OKOKSpecial grades availablePolymethyl Methacrylate (PMMA/Acrylic)Not recommended — distortsOKNot recommendedPolyomethylpentene (PMP)OKOKNot recommendedPolyophylene Copolymer (POMAcetal)Special grades availableSpecial grades availablePolyophylene Sulfide (PPS)OKOKNot recommendedPolyphentylene Copolymer (POMAcetal)Special grades availableNot recommendedPolyphentylene Sulfide (PPS)OKOKNot recommendedPolyphentylene Cipolymer (PPS)OKOKOKPolyphentylene (PPS)OKOKOKPolyphentylene (PPS)Not recommended — distortsOKGrade-dependent, specialPolyphylene (PPS)OKOKOKOKPolyphylene (PPS)Not recommended — distortsOKGrade-dependent, specialPolyphylene (PPS)Not recommended — distortsOKSpecial grades availablePolyphylene (PPS)Not recommended — distortsOK <t< td=""><td>Transparent ABS (MABS)</td><td>Not recommended — distorts</td><td>OK</td><td>ОК</td></t<>	Transparent ABS (MABS)	Not recommended — distorts	OK	ОК
Okycol Modified Polyethylene Terephthalate (PETG)Not recommended — distortsOKOKPolyamides (PA 6, PA 66, PA Copolymers)OK (may swell slightly)OKOK (brownish hue possible)Polybutylene Terephthalate (PBT)Poor — hydrolytic attackOKOK (slight yellowing possible)Polycarbonate Copolymer (PC)OKOKGrade-dependentPolycarbonate (PC)Poor — hydrolytic attackOKSpecial grades availablePolyetherimide (PEI)OKOKSpecial grades availablePolymethyl Methacrylate (PMMA/Acrylic)Not recommended — distortsOKOKPolyomythylene Copolymer (POM/Acetal)OKOKOKPolyomythylene Copolymer (POM/Acetal)Special grades availableMot recommendedPolyphenylene Sulfide (PPS)OKOKOKOKPolyphynylene Sulfide (PPSU)OKOKOKOKPolyphylene (PP)Not recommended — distortsOKOKOKPolyphylene (PPSU)OKOKOKOKPolyphylene (PPSU)Not recommended — distortsOKOKOKPolyphylene (PPSU)Not recommended — distortsOKOKOKPolyphylene (PPSU)Not recommended — distortsOKSpecial grades availablePolyphylene (PPSU)Not recommended — distortsOKOKOKPolyphylene (PPSU)Not recommended — distortsOKOKOKPolyphylene (PPSU)Not recommended — distortsOKOKOKPolyphylene (PPSU)Not	Amorphous Polyamide 12 (PA 12)	Grade dependent	OK	ОК
Polyamides (PA 6, PA 6, PA Copolymers)OK (may swell slightly)OKOKOK (brownish hue possible)Polyamides (PA 6, PA 6, PA Copolymer)Poor — hydrolytic attackOKOK (slight yellowing possible)Polycarbonate (PC)OKOKGrade-dependentPolycarbonate (PC)Poor — hydrolytic attack (multiple cycles)OKOK (potential reversible color shift)Polyetherimide (PE)OKOKSpecial grades availablePolymethyl Methacrylate (PMMA/Acrylic)Not recommended — distortsOKSpecial grades available.Polyomethylpentene (PMP)OKOKOKOKPolyosymethylene Copolymer (POM/Acetal)Special grades available.Special grades available.Not recommended (20Kg) upper limit)Modified Polyphenylene Oxide (mPPO)Special grades available.Not recommended (20Kg) upper limit)Not recommended (20Kg) upper limit)Modified Polyphenylene Copolymer (POM/Acetal)Special grades available.Not recommended (20Kg) upper limit)Modified Polyphenylene Copolymer (POM/Acetal)OKOKOKPolyphynylene (PPS)OKOKOKOKPolyphynylene (PPS)OKOKOKOKPolyphynylene (PP)OKOKOKOKPolyphylene (PP)OKOKOKOKPolyphylene (PPC)OKOKOKOKPolyphylene (PPC)OKOKOKSpecial grades available.Polyphylene (PPC)OKOKOKOKPolyphylene (PPC)	Copolyester Elastomer (COPE/TPEE)	ОК	OK	OK
Polybutylene Terephthalate (PBT)Poor — hydrolytic attackOKOK (slight yellowing possible)Polybcarbonate Copolymer (PC)OKOKGrade-dependentPolycarbonate (PC)Poor — hydrolytic attack (multiple cycles)OKOKSpecial grades availablePolyetherimide (PEI)OKOKOKSpecial grades availablePolymethyl Methacrylate (PMMA/Acrylic)Not recommended — distortsOKFair (standard grades may yellow). Special grades availablePolymethyl Methacrylate (PMM/Acrylic)Not recommended — distortsOKNot recommended (20K8y upper limit)Modified Polyphenylene Copolymer (POM/Acetal)OKOKOKNot recommended (20K8y upper limit)Modified Polyphenylene Sufide (PPS)OKOKOKOKOKPolyphrylene PPA)OKOKOKOKOKPolyphynylene (PP)OKOKOKOKOKPolyphynylene (PPA)OKOKOKOKOKPolyphynylene (PPA)OKOKOKOKOKPolyphynylene (PP)OKOKOKOKOKPolyphynylene (PPA)OKOKOKOKOKPolyphylone (PSU)OKOKOKOKOKPolyphylone (PSU)OKOKOKOKOKPolyphylone (PSU)OKOKOKOKOKPolyphylone (PSU)OKOKOKOKCokPolyphylone (PSU)OKOKOKOK	Glycol Modified Polyethylene Terephthalate (PETG)	Not recommended — distorts	OK	OK
Polycarbonate Copolymer (PC)OKGrade-dependentPolycarbonate (PC)Poor — hydrolytic attack (multiple cycles)OKOK (potential reversible color shift)Polycarbonate (PEI)OKOKSpecial grades availablePolymethyl Methacrylate (PMMA/Acrylic)Not recommended — distortsOKFair (standard grades may yellow). Special grades available.Polymethyl Methacrylate (PMMA/Acrylic)Not recommended — distortsOKOKOKPolymethylpentene (PMP)OKOKOKOKPolyosymethylene Copolymer (POM/Acetal)OKOKOKOKModified Polyphenylene Oxide (mPPO)Special grades availableSpecial grades availableNot recommendedPolyphenylene Sulfide (PPS)OKOKOKOKOKPolyphylene (PP)OKOKOKOKOKPolyphylene (PP)OKOKOKOKOKPolyphylene (PP)Not recommended — distortsOKGrade-dependent, special stabilizers neededPolypinylene (PP)OKOKOKOKPolypinylene (PP)OKOKOKOKPolypinyl Chloride (PVC)Grade dependent (consult for prog formulations) – rigid vinyl will distortOKOKStyrene Acrylonitrile (SAN)Not recommended — distortsOKOKMcKStyrene-based Thermoplastic Elastomers (SEBS)Grade dependentOKKGy; color shift at 50 kGy)Styrenic-based Thermoplastic Polyuethane (TPU)Not recommendedOKOKOK </td <td>Polyamides (PA 6, PA 66, PA Copolymers)</td> <td>OK (may swell slightly)</td> <td>OK</td> <td>OK (brownish hue possible)</td>	Polyamides (PA 6, PA 66, PA Copolymers)	OK (may swell slightly)	OK	OK (brownish hue possible)
Polycarbonate (PC)Poor — hydrolytic attack (multiple cycles)OKOK (potential reversible color shift)Polyetherimide (PEI)OKOKSpecial grades availablePolymethyl Methacrylate (PMMA/Acrylic)Not recommended — distortsOKFair (standard grades may yellow). Special grades available.Polymethyl Methacrylate (PMM)OKOKOKOKPolyosymethylene Opolymer (POM/Acetal)OKOKOKOKPolyphenylene Oxide (mPPO)Special grades availableSpecial grades availableNot recommended (20KGy upper limit)Modified Polyphenylene Oxide (mPPO)Special grades availableSpecial grades availableNot recommended (20KGy upper limit)Polyphenylene Sufide (PPS)OKOKOKOKPolyphenylene (PP)OKOKOKOKPolyphonylene (PP)Not recommended — distortsOKGrade-dependent, special stabilizers neededPolyponylene (PP)Not recommended — distortsOKOKOKPolypinghon (PSU)OKOKOKOKPolypinghon (PSU)OKOKOKOKPolypinghon (PSU)Not recommended — distortsOKOKOKPolypinghon (PSU	Polybutylene Terephthalate (PBT)	Poor — hydrolytic attack	OK	OK (slight yellowing possible)
Polycardonate (PC)City Constraint of Constraint	Polycarbonate Copolymer (PC)	ОК	OK	Grade-dependent
Polymethyl Methacrylate (PMMA/Acrylic)Not recommended — distortsOKFair (standard grades may yellow). Special grades available.Polymethyl pentene (PMP)OKOKOKOKPolyoxymethylene Copolymer (POM/Acetal)OKOKOKOKModified Polyphenylene Oxide (mPPO)Special grades availableSpecial grades availableNot recommended (20kGy upper limit)Modified Polyphenylene Oxide (mPPO)Special grades availableSpecial grades availableNot recommendedPolyphenylene Sulfide (PPS)OKOKOKOKPolyphenylene (PPSU)OKOKOKOKPolyphenylene (PPS)Not recommended — distortsOK (may stress crack)Grade-dependent, special stabilizers neededPolysulfone (PSU)OKOKOKOKOKPolysulfone (PSU)OKOKOKOKPolysulfone (PSU)OKOKOKOKPolysulfone (PSU)OKOKOKOKPolysulfone (PSU)OKOKOKOKPolysulfone (PSU)Not recommended — distortsOKSpecial grades available (color corrected, stabilized)Styrene Acrylonitrile (SAN)Not recommended — distortsOKOKMotStyrene-based Thermoplastic Elastomers (SEBS)Grade dependentOKOKOKThermoplastic Polyurethane (TPU)Not recommendedOKOKOK	Polycarbonate (PC)		OK	OK (potential reversible color shift)
Polymethyl Methacrylate (PMMA/Acrylic)Not recommended — distortsOKSpecial grades available.Polymethylpentene (PMP)OKOKOKPolyoxymethylene Copolymer (POM/Acetal)OKOKNot recommended (20KGy upper limit)Modified Polyphenylene Oxide (mPPO)Special grades availableSpecial grades availableNot recommendedPolyphenylene Sulfide (PPS)OKOKOKOKPolyphenylene (PPSU)OKOKOKOKPolyphthalamide (PPA)OKOKOKOKPolypine (PP)Not recommended — distortsOKGrade-dependent, special stabilizers neededPolysulfone (PSU)OKOKOKOKPolysulfone (PSU)OKOKOKOKPolysulfone (PSU)OKOKOKOKPolysulfone (PSU)Not recommended — distortsOKSpecial grades available (color corrected, stabilized)Polysulfone (PSU)Not recommended — distortsOKOKOKPolysulfone (PSU)Not recommended — distortsOKSpecial grades available (color corrected, stabilized)Styrene Acrylonitrile (SAN)Not recommended — distortsOKOKOKStyrenic-based Thermoplastic Elastomers (SEBS)Grade dependentOKOKOKNot recommendedOKOKOKOKOKThermoplastic Polyurethane (TPU)Not recommendedOKOKOK	Polyetherimide (PEI)	ОК	OK	Special grades available
Polyozymethylene Copolymer (POM/Acetal)OKOKOKPolyozymethylene Copolymer (POM/Acetal)OKOKNot recommendedModified Polyphenylene Oxide (mPPO)Special grades availableSpecial grades availableNot recommendedPolyphenylene Sulfide (PPS)OKOKOKOKPolyphenylsulfone (PPSU)OKOKOKOKPolyphenylene (PPA)Not recommended — distortsOKOKOKPolyptopylene (PP)Not recommended — distortsOKGrade-dependent, special stabilizers neededPolysulfone (PSU)OKOKOKOKPolysulfone (PSU)Grade dependent (consult for proper formulations) — rigid vinyl will distortOKSpecial grades available (color corrected, stabilized)Styrene Acrylonitrile (SAN)Not recommended — distortsOKOKMcStyrenic-based Thermoplastic Elastomers (SEBS)Grade dependentOKOKThermoplastic Polyurethane (TPU)Not recommendedOKOKOK	Polymethyl Methacrylate (PMMA/Acrylic)	Not recommended — distorts	OK	
Polyoxymethylene Copolymer (POM/Acetal)OK(20kGy upper limit)Modified Polyphenylene Oxide (mPPO)Special grades availableSpecial grades availableNot recommendedPolyphenylene Sulfide (PPS)OKOKOKOKPolyphenylsulfone (PPSU)OKOKOKOKPolyphthalamide (PPA)OKOKOKOKPolyphthalamide (PPA)Not recommended — distortsOKGrade-dependent, special stabilizers neededPolysulfone (PSU)OKOKOKOKPolysulfone (PSU)OKOKOKOKPolysulfone (PSU)OKOKOKOKPolysulfone (PSU)Not recommended — distortsOKSpecial grades available (color corrected, stabilized)Styrene Acrylonitrile (SAN)Not recommended — distortsOKOKMcmechanically durable @ 200 kGy; color shift at 50 kGy)Styrenic-based Thermoplastic Elastomers (SEBS)Grade dependentOKOKOKThermoplastic Polyurethane (TPU)Not recommendedOKOKOK	Polymethylpentene (PMP)	ОК	OK	OK
Polyphenylene Sulfide (PPS)OKOKPolyphenylsulfone (PPSU)OKOKOKPolyphthalamide (PPA)OKOKOKPolypropylene (PP)Not recommended — distortsOK (may stress crack)Grade-dependent, special stabilizers neededPolysulfone (PSU)OKOKOKPolyvinyl Chloride (PVC)Grade dependent (consult for proper formulations) — rigid vinyl will distortOKSpecial grades available (color corrected, stabilizer)Styrene Acrylonitrile (SAN)Not recommended — distortsOKOK (mechanically durable @ 200 kGy; color shift at 50 kGy)Styrenic-based Thermoplastic Elastomers (SEBS)Grade dependentOKOKNot recommendedOKOKOK	Polyoxymethylene Copolymer (POM/Acetal)	ОК	÷	
Polyphenylsulfone (PPSU)OKOKOKPolyphthalamide (PPA)OKOKOKPolypopylene (PP)Not recommended – distortsOK (may stress crack)Grade-dependent, special stabilizers neededPolysulfone (PSU)OKOKOKPolyvinyl Chloride (PVC)Grade dependent (consult for proper formulations) – rigid vinyl will distortOKSpecial grades available (color corrected, stabilized)Styrene Acrylonitrile (SAN)Not recommended – distortsOKOKOKStyrenic-based Thermoplastic Elastomers (SEBS)Grade dependentOKOKNot recommendedOKOKOKOK	Modified Polyphenylene Oxide (mPPO)	Special grades available	Special grades available	Not recommended
Polyphthalamide (PPA)OKOKPolypropylene (PP)Not recommended – distortsOK (may stress crack)Grade-dependent, special stabilizers neededPolysulfone (PSU)OKOKOKPolyvinyl Chloride (PVC)Grade dependent (consult for proper formulations) – rigid vinyl will distortOKSpecial grades available (color corrected, stabilized)Styrene Acrylonitrile (SAN)Not recommended – distortsOKOKOKStyrenic-based Thermoplastic Elastomers (SEBS)Grade dependentOKOKNot recommended – distortsOKOKOKMot recommended – distortsOKOKOK	Polyphenylene Sulfide (PPS)	ОК	OK	ОК
Polypropylene (PP)Not recommended — distortsOK (may stress crack)Grade-dependent, special stabilizers neededPolysulfone (PSU)OKOKOKPolyvinyl Chloride (PVC)Grade dependent (consult for proper formulations) — rigid vinyl will distortOKSpecial grades available (color corrected, stabilized)Styrene Acrylonitrile (SAN)Not recommended — distortsOKOKOKStyrenic-based Thermoplastic Elastomers (SEBS)Grade dependentOKOKNot recommended — distortsOKOKOKMot recommended — distortsOKOKStyrenic-based Thermoplastic Flastomers (SEBS)Grade dependentOKNot recommended — distortsOKOKMot recommended — distortsOKOK	Polyphenylsulfone (PPSU)	ОК	OK	OK
Polypropylene (PP)Not recommended — distorts(may stress crack)Stabilizers neededPolysulfone (PSU)OKOKOKPolyvinyl Chloride (PVC)Grade dependent (consult for proper formulations) — rigid vinyl will distortOKSpecial grades available (color corrected, stabilized)Styrene Acrylonitrile (SAN)Not recommended — distortsOKOK (mechanically durable @ 200 kGy; color shift at 50 kGy)Styrenic-based Thermoplastic Elastomers (SEBS)Grade dependentOKOKNot recommendedOKOKOK	Polyphthalamide (PPA)	ОК	OK	OK
Polyvinyl Chloride (PVC)Grade dependent (consult for proper formulations) — rigid vinyl will distortOKSpecial grades available (color corrected, stabilized)Styrene Acrylonitrile (SAN)Not recommended — distortsOKOK (mechanically durable @ 200 kGy; color shift at 50 kGy)Styrenic-based Thermoplastic Elastomers (SEBS)Grade dependentOKOKThermoplastic Polyurethane (TPU)Not recommendedOKOK	Polypropylene (PP)	Not recommended — distorts		
Polyvinyl Chloride (PVC)formulations) — rigid vinyl will distortOK(color corrected, stabilized)Styrene Acrylonitrile (SAN)Not recommended — distortsOKOK (mechanically durable @ 200 kGy; color shift at 50 kGy)Styrenic-based Thermoplastic Elastomers (SEBS)Grade dependentOKOKThermoplastic Polyurethane (TPU)Not recommendedOKOK	Polysulfone (PSU)	ОК	OK	ОК
Styrene Acryionitrile (SAN) Not recommended — distorts OK KGy; color shift at 50 kGy)   Styrenic-based Thermoplastic Elastomers (SEBS) Grade dependent OK OK   Thermoplastic Polyurethane (TPU) Not recommended OK OK	Polyvinyl Chloride (PVC)	· · · · · · · · · · · · · · · · · · ·	OK	1 0
Thermoplastic Polyurethane (TPU) Not recommended OK OK	Styrene Acrylonitrile (SAN)	Not recommended — distorts	OK	
	Styrenic-based Thermoplastic Elastomers (SEBS)	Grade dependent	ОК	OK
Thermoplastic Vulcanizate (TPV) OK OK	Thermoplastic Polyurethane (TPU)	Not recommended	OK	OK
	Thermoplastic Vulcanizate (TPV)	ОК	ОК	ОК



Redefining Resin Distribution®

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

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.

