



YOUR MEDICAL CHOICE

Check out the industry's most comprehensive selection of medically approved specialty and engineering thermoplastic materials.

To help you meet evolving industry demands and improve cost-effectiveness, we stock a wide range of thermoplastics with FDA, United States Pharmacopeia (USP) and ISO 10993 ratings.



Medical Expertise

We have years of experience distributing to processors in medical- and dental-related industries and understand the stringent regulatory and quality standards your products must meet.

CLEAR PRODUCT OFFERING

Manufacturer and trade name	USP VI	ISO 10993	FDA / Food Contact
Evonik Industries TROGAMID® Care MX and Care MT Transparent Nylon 12	•	•	•
Huntsman IROGRAN® TPU			•
Idemitsu Tarflon® Polycarbonate			•
KRAIBURG Thermolast® M SEBS/SEPS	•	•	•
LG Chem Transparent ABS	•		•
Mitsubishi Engineering Plastics Iupilon® Polycarbonate	•	•	•
Mitsui TPX® PMP Copolymer	•		•
Plaskolite Optix® PMMA/Acrylic	•		•
SK Chemicals Skygreen® PETG	•	•	•
Sylvin Technologies Flexible PVC			•

SOFT TOUCH PRODUCT OFFERING

Manufacturer and trade name	USP VI	ISO 10993	FDA / Food Contact
DSM Engineering Plastics Arnitel® COPE	•		•
Evonik Industries VESTAMID® Care ME PEBA	•	•	•
Huntsman IROGRAN® TPU			•
KRAIBURG Thermolast® M SEBS/SEPS	•	•	•
Multibase Multiflex® SEBS/SES			•
Sylvin Technologies Flexible PVC			•
Teknor Apex Monprene® RG SEBS			•

RIGID/NON-CLEAR PRODUCT OFFERING

Manufacturer and trade name	USP VI	ISO 10993	FDA / Food Contact
Ascend Performance Materials Vydyne® Nylon 6/6			•
Evonik Industries VESTAMID® Care ML PA12 and Care M30-HT PPA	•	•	•
Evonik Industries VESTAKEEP® Care PEEK	•	•	•
DSM Engineering Plastics Akulon® Nylon 6			•
Korea Engineering Plastics Kepital® Acetal Copolymer	•		•
LG Chem ABS	•		•
Solvay Specialty Polymers Ryton® PPS	•		•



STERILIZATION METHOD

Our expert team has the ability to deliver a material solution that meets your sterilization requirements and exceeds your expectations.

Material Type	Steam (@ 121°C)	EtO (Ethylene Oxide)	Gamma (25kGy) and E-beam
ABS	Not recommended — distorts	OK	OK
ABS (Transparent)	Not recommended — distorts	OK	OK
Acetal (POM – Copolymer)	OK	OK (at room temp)	Not recommended (20kGy upper limit)
Acrylic (PMMA)	Not recommended — distorts	OK	Fair (standard grades may yellow). Special grades available.
Copolyester Elastomer (COPE/TPEE)	OK	OK	OK
Nylons (PA6, PA66, Nylon Copolymers)	OK (may swell slightly)	OK	OK (brownish hue possible)
Nylon 12 – Amorphous	Grade dependent	OK	OK
PETG	Not recommended — distorts	OK	OK
Polycarbonate (PC)	Poor — hydrolytic attack (multiple cycles)	OK	OK (potential reversible color shift)
Polymethylpentene (PMP)	OK	OK	OK
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)
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 Polyurethanes (TPU)	Not recommended	OK	OK
Thermoplastic Vulcanizate (TPV)	OK	OK	OK



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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.

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