

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	Tradename	Material	Soft Touch	Clear	ISO 10993*	USP VI	FDA/Food Contact
Ascend Performance Materials	HiDura™	Medical Nylon 6/6			●		●
	Vydyne®	Nylon 6/6					●
Avient Corporation	Mevopur®	Medical Color Masterbatches			●	●	●
Elastron	Elastron V	TPV	●			●	●
Evonik Industries	TROGAMID® CX	Amorphous Nylon		●			●
	VESTAMID® L	Nylon 12					●
Formosa Plastics Corporation	Formolene®	PP		●			●
Formosa Plastics Group	TAIRIPRO®	PP		●		●	●
Huntsman	IROGRAN®	TPU	●	●			●
Idemitsu Chemical	Tarflon™	PC		●			●
Korea Engineering Plastics	Kepital®	POM/Acetal			●	●	●
KRAIBURG TPE Corporation	Thermolast® M	Medical TPE	●	●	●	●	●
LANXESS	Durethan®	PA 6I		●	●	●	●
		PA 6					●
	Pocan®	PBT					●
LG Chem	Keyflex®	COPE	●				●
	LG ABS	ABS				●	●
	LG MABS	Transparent ABS		●	●	●	●
LX MMA	LX PMMA	PMMA/Acrylic		●			●
Mitsubishi Engineering Plastics Corp.	Iupilon®	PC		●	●	●	●
Mitsui Plastics	TPX™	PMP Copolymer		●			●
Multibase, Inc.	MULTIFLEX™	TPE	●				●
Plaskolite, Inc.	Optix®	PMMA/Acrylic		●		●	●
SABIC's Specialties business	LEXAN™	PC Copolymer		●	●	●	●
	LNP™	Compounds			●	●	●
	NORYL™	PPE+PS Resin			●	●	●
	ULTEM™	PEI Resin		●	●	●	●
SK Chemicals	SKYGREEN®	PETG		●	●	●	●
	SKYPEL®	COPE	●				●
Solvay Specialty Polymers	Ixef®	PARA					●
	Omnix®	HPPA					●
	Radel®	PPSU		●	●	●	●
	Ryton®	PPS					●
	Udel®	PSU		●	●	●	●
	Veradel®	PESU		●	●	●	●
Sylvin Technologies, Inc.	Sylvin PVC	Flexible PVC	●	●			●

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

LNP™ ELCRES™ CRX copolymer resins

Discover polycarbonate (PC) copolymer from SABIC's Specialties business with improved chemical resistance for medical enclosures and housings.

Advantages:

After exposure to aggressive disinfectants, the improved chemical resistance helps:

- prevent environmental stress cracking (ESC)
- retain impact performance

Sterilization Method

Medical devices that come in contact with body tissue and fluids must be sterilized to decrease the risk of infection.

With the complexity of sterilization, let our team help you navigate material selection to ensure your product requirements are being met.

Material Type	Steam (121°C)	EtO (Ethylene Oxide)	Gamma (25kGy) and E-beam Radiation
Acrylonitrile Butadiene Styrene (ABS)	Not Suitable	Suitable	Suitable
Amorphous Polyamide 12 (PA 12)	Grade Dependent	Suitable	Limited Use
Copolyester Elastomer (COPE/TPEE)	Suitable	Suitable	Suitable
Glycol Modified Polyethylene Terephthalate (PETG)	Not Suitable	Suitable	Suitable
Polyamides (PA 6, PA 66, PA Copolymers)	Suitable	Suitable	Limited Use
Polybutylene Terephthalate (PBT)	Not Suitable	Suitable	Suitable
Polycarbonate Copolymer (PC)	Suitable	Suitable	Grade Dependent
Polycarbonate (PC)	Not Suitable	Suitable	Grade Dependent
Polyetherimide (PEI)	Suitable	Suitable	Grade Dependent
Polymethyl Methacrylate (PMMA/Acrylic)	Not Suitable	Suitable	Grade Dependent
Polymethylpentene (PMP)	Suitable	Suitable	Not Suitable
Polyoxymethylene Copolymer (POM/Acetal)	Suitable	Limited Use	Not Suitable
Modified Polyphenylene Oxide (mPPO)	Grade Dependent	Grade Dependent	Not Suitable
Polyphenylene Sulfide (PPS)	Suitable	Suitable	Suitable
Polyphthalamide (PPA)	Suitable	Suitable	Suitable
Polypropylene (PP)	Grade Dependent	Suitable	Grade Dependent
Polyethersulfone (PESU)	Limited Use	Suitable	Suitable
Polyphenylsulfone (PPSU)	Suitable	Suitable	Suitable
Polysulfone (PSU)	Limited Use	Suitable	Suitable
Polyvinyl Chloride (PVC)	Grade Dependent	Suitable	Grade Dependent
Styrene Acrylonitrile (SAN)	Not Suitable	Suitable	Suitable
Styrenic-based Thermoplastic Elastomers (SEBS)	Grade Dependent	Suitable	Limited Use
Thermoplastic Polyurethane (TPU)	Not Suitable	Suitable	Suitable
Thermoplastic Vulcanizate (TPV)	Suitable	Suitable	Suitable
Transparent ABS	Not Suitable	Suitable	Suitable

Materials and parts not suitable for radiation sterilization may be subject to distortion, hydrolytic attack, embrittlement and crosslinking.

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