



Techmer PM Medical and Healthcare Solutions

Key Medical & Healthcare Segments

- Orthopedics • Dental • Surgical
- Equipment • Filtration/Purification

Techmer PM is a leading materials design company and works in deep partnership with medical and healthcare OEMs and processors, with a strong emphasis on surgical devices and equipment, as well as drug delivery systems. Our compounded solutions help OEMs and processors address new and existing application challenges to meet product autoclave sterilization requirements and provide design freedom to meet new tough product requirements driven by technology advances in device functionality.

Techmer PM operates six manufacturing sites across the United States and the company's global reach is supported by sales offices in Germany and Brazil as well as with partner companies in Asia and Europe.



Intertek



Intertek



Techmer PM Resins for Medical and Healthcare

Techmer PM Innovative Solutions

- USP Class VI Approvals
- ISO 10993 Approvals
- Sterilization Resistance
- Radiation Shielding
- Radio-Opacity
- Antimicrobial Additives
- High Strength/High Modulus for Orthopedics

Techmer PM Advantages

- **Technical Problems/Material Solutions:** We work with a broad range of resins, reinforcements, and fillers.
- **Technical Field Engineers:** We have highly qualified technical field engineers.
- **Four-Week Lead Time and Regional Based Manufacturing:** Our six plants across the United States enable short lead times.
- **Speed in Sampling:** Quick turn-around from the time we recommend a pre-compounded solution to the sample arriving at your dock.
- **Low Minimum Order Size:** Our minimums are only 55 pounds for existing products and 110 pounds for custom products.

Techmer PM processes a wide variety of FDA compliant, ISO 10993 and USP Class VI base resins shown below for use in medical and healthcare applications.

Legend

EtO: # of Cycles Shown in Parentheses

Gamma: Maximum Radiation Shown in Brackets

	Sterilization Options					
	USP Class VI	FDA	ISO 10993	Steam, 121° C	EtO	Gamma, 25 kGy
ABS	X	X	X	Not Recommended	Good	Good
POM CO	X	X	X	Good	Good	Not Recommended
PA6, PA 6/6		X	X	Fair	Good	Fair
PA6/12, PA12		X	X	Fair	Good	Fair
PC	X	X	X	Not Recommended	Good	Excellent
PEI	X	X	X	Good	Excellent (1,000)	Excellent
PSU	X	X	X	Good	Excellent (500)	Excellent [40]
PPSU	X	X	X	Excellent	Excellent (1,000)	Excellent [40]
PEEK	X	X	X	Excellent	Excellent (1,000)	Excellent [40]

Common End-Use Applications

- Surgical Device Handles and Internal Components
- Monitor Housings and Bezels
- EKG Contacts
- Pipettes
- Syringe Components
- Temporary Implants



Web: TechmerPM.com Phone: +1-865-457-6700 Email: medical@techmerpm.com