

**Mitsubishi Chemical Advanced Materials PSU LSG PSU extruded (ISO Data)**
**Categories:** Polymer; Thermoplastic; Polysulfone (PSU)

**Material Notes:** Within its portfolio of Life Science Grade Engineering Plastic Products - specifically developed for applications in the medical, pharmaceutical and biotechnology industries - Mitsubishi Chemical Advanced Materials offers LSG PSU natural biocompatible engineering plastic stock shapes for machining with certified USP Class VI and ISO 10993 compliance

- 1 High maximum allowable service temperature in air (150°C continuously)
- 1 Good hydrolysis resistance (suitable for repeated steam sterilization)
- 1 High strength and stiffness over a wide temperature range
- 1 Good dimensional stability
- 1 Physiologically inert (suitable for food contact)
- 1 Very good resistance against high energy radiation (gamma- and X-rays)
- 1 Good electrical insulating and dielectric properties

Quadrant Engineering Plastic Products is now Mitsubishi Chemical Advanced Materials.

Mechanical Properties	Metric	English	Comments
K Factor (ISO)	6400 µm/km	6400 µm/km	
Coefficient of Friction, Dynamic	0.50 - 0.60	0.50 - 0.60	

Compliance Properties	Metric	English	Comments
3A-Dairy	No	No	
USP Class VI	Yes	Yes	

Chemical Resistance Properties	Metric	English	Comments
Acids, Strong (pH 1-3)	Unacceptable	Unacceptable	
Acids, Weak	Acceptable	Acceptable	
Alcohols	Acceptable	Acceptable	
Alkalies, Strong (pH 11-14)	Unacceptable	Unacceptable	
Alkalies, Weak	Acceptable	Acceptable	
Chlorinated Solvents	Unacceptable	Unacceptable	
Continuous Sunlight	Limited	Limited	
Hot Water / Steam	Limited	Limited	
Hydrocarbons - Aliphatic	Limited	Limited	
Hydrocarbons - Aromatic	Unacceptable	Unacceptable	
Inorganic Salt Solutions	Acceptable	Acceptable	
Ketones, Esters	Unacceptable	Unacceptable	


 Email: [info@polymershapes.com](mailto:info@polymershapes.com)

Call: 1 (866) 437-7427

[www.polymershapes.com](http://www.polymershapes.com)