

## Quadrant EPP Quadrant LSG PSU extruded (ISO Data)

Category : 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 - Quadrant offers QUADRANT LSG PSU natural biocompatible engineering plastic stock shapes for machining with certified USP Class VI and ISO 10993 compliance High maximum allowable service temperature in air (150°C continuously) Good hydrolysis resistance (suitable for repeated steam sterilization) High strength and stiffness over a wide temperature range Good dimensional stability Physiologically inert (suitable for food contact) Very good resistance against high energy radiation (gamma- and X-rays) Good electrical insulating and dielectric properties

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Quadrant-EPP-Quadrant-LSG-PSU-extruded-ISO-Data.php](http://www.lookpolymers.com/polymer_Quadrant-EPP-Quadrant-LSG-PSU-extruded-ISO-Data.php)

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	

<small>Ketones, Esters</small> Chemical Resistance Properties	<small>Unacceptable</small> Metric	<small>Unacceptable</small> English	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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