

Quadrant EPP Quadrant LSG PPSU extruded (ISO Data)

Category : Polymer , Thermoplastic , Polyphenylsulfone (PPSU)

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 PPSU biocompatible engineering plastic stock shapes for machining (several colours) with certified USP Class VI and/or ISO 10993 compliance High maximum allowable service temperature in air (180°C continuously) Good chemical and excellent hydrolysis resistance (suitable for repeated steam sterilization) High stiffness over a wide temperature range Very high impact strength Physiologically inert (suitable for food contact) High dimensional stability 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-PPSU-extruded-ISO-Data.php

Mechanical Properties	Metric	English	Comments
K Factor (ISO)	2500 µm/km	2500 µm/km	
Coefficient of Friction, Dynamic	0.40 - 0.50	0.40 - 0.50	

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

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

Ketones, Esters Chemical Resistance Properties	Unacceptable Metric	Unacceptable English	Comments
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