

Quadrant EPP Duratron® PEI LSG extruded (ISO Data)

Category : Polymer , Thermoplastic , Polyetherimide (PEI) , Polyetherimide (PEI), Extrusion Grade

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 DURATRON LSG PEI natural biocompatible engineering plastic stock shapes for machining with certified USP Class VI and ISO 10993 compliance High maximum allowable service temperature in air (170°C continuously) Very good hydrolysis resistance (suitable for repeated steam sterilization) High strength and stiffness over a wide temperature range Inherent low flammability and low levels of smoke evolution during combustion Good dimensional stability Physiologically inert (suitable for food contact) Very good resistance against high energy radiation (gamma- and X-rays) Very good electrical insulating and dielectric properties

Order this product through the following link:

http://www.lookpolymers.com/polymer_Quadrant-EPP-Duratron-PEI-LSG-extruded-ISO-Data.php

Mechanical Properties	Metric	English	Comments
K Factor (ISO)	1325 µm/km	1325 µm/km	
Coefficient of Friction, Dynamic	0.30 - 0.40	0.30 - 0.40	

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	Acceptable	Acceptable	
Hot Water / Steam	Acceptable	Acceptable	
Hydrocarbons - Aliphatic	Limited	Limited	
Hydrocarbons - Aromatic	Unacceptable	Unacceptable	
Inorganic Salt Solutions	Acceptable	Acceptable	

Chemical Resistance Properties	Metric	English	Comments
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