

Quadrant EPP Quadrant LSG PC extruded (ISO Data)

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Extruded

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 PC natural biocompatible engineering plastic stock shapes for machining with certified USP Class VI and ISO 10993 compliance High mechanical strength Good creep resistance Very high impact strength, even at low temperatures Stiffness retention over a wide range of temperatures Very good dimensional stability (very low water absorption and low coefficient of linear thermal expansion) Natural colour (clear, translucent) Good electrical insulating and dielectric properties Physiologically inert (suitable for food contact) Economical thermal performance

Order this product through the following link:

http://www.lookpolymers.com/polymer_Quadrant-EPP-Quadrant-LSG-PC-extruded-ISO-Data.php

Mechanical Properties	Metric	English	Comments
K Factor (ISO)	60 µm/km	60 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	Limited	Limited	
Alcohols	Limited	Limited	
Alkalies, Strong (pH 11-14)	Unacceptable	Unacceptable	
Alkalies, Weak	Limited	Limited	
Chlorinated Solvents	Unacceptable	Unacceptable	
Continuous Sunlight	Limited	Limited	
Hot Water / Steam	Limited	Limited	
Hydrocarbons - Aliphatic	Acceptable	Acceptable	
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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