

Quadrant EPP Ketron® LSG CA30 PEEK + carbon fibres, LSG grade, extruded (ISO Data)

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Carbon Fiber Filled

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 KETRON PEEK-CLASSIXä LSG white, KETRON PEEK-CA30 LSG, KETRON PEEK-GF30 LSG blue (RAL 5019) and KETRON PEEK LSG natural / black biocompatible engineering plastic stock shapes for machining with certified USP Class VI and ISO 10993 compliance Very high maximum allowable service temperature in air (250 °C continuously, up to 310 °C for short periods of time) High mechanical strength, stiffness and creep resistance, also at elevated temperatures Excellent chemical and hydrolysis resistance Excellent wear & frictional behaviour Very good dimensional stability Excellent resistance to high energy radiation (gamma- and X-rays) Inherent low flammability and very low levels of smoke evolution during combustion

Order this product through the following link:

http://www.lookpolymers.com/polymer_Quadrant-EPP-Ketron-LSG-CA30-PEEK-carbon-fibres-LSG-grade-extruded-ISO-Data.php

Mechanical Properties	Metric	English	Comments
K Factor (ISO)	2.0 µm/km	2.0 µm/km	
Coefficient of Friction, Dynamic	0.20 - 0.30	0.20 - 0.30	

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)	Limited	Limited	
Acids, Weak	Acceptable	Acceptable	
Alcohols	Acceptable	Acceptable	
Alkalies, Strong (pH 11-14)	Acceptable	Acceptable	
Alkalies, Weak	Acceptable	Acceptable	
Chlorinated Solvents	Acceptable	Acceptable	
Continuous Sunlight	Limited	Limited	
Hot Water / Steam	Acceptable	Acceptable	
Hydrocarbons - Aliphatic	Acceptable	Acceptable	
Hydrocarbons - Aromatic	Acceptable	Acceptable	

Chemical Resistance Properties	Metric	English	Comments
Ketones, Esters	Acceptable	Acceptable	

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