

## Quadrant EPP Ketron® LSG PEEK extruded (ISO Data)

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Unreinforced

### 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-CLASSIX 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-PEEK-extruded-ISO-Data.php](http://www.lookpolymers.com/polymer_Quadrant-EPP-Ketron-LSG-PEEK-extruded-ISO-Data.php)

| Mechanical Properties            | Metric      | English     | Comments |
|----------------------------------|-------------|-------------|----------|
| K Factor (ISO)                   | 28 µm/km    | 28 µm/km    |          |
| Coefficient of Friction, Dynamic | 0.30 - 0.50 | 0.30 - 0.50 |          |

| 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 |          |
| Inorganic Salt Solutions       | Acceptable | Acceptable |          |

| Chemical Resistance Properties<br>Ketones, Esters | Metric<br>Acceptable | English<br>Acceptable | Comments |
|---|----------------------|-----------------------|----------|
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## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China