

# Quadrant High Performance Plastics for Food, Medical & Pharma Industries



## Product Safety & Consumer Protection require Highest Quality of Production Components

World population and life expectancy are increasing and requiring reliable, fast and safe delivery of food and pharmaceutical products worldwide. The medical, food & pharma industries are therefore confronted with more complex specifications on the equipment and components involved in production.

Certification of materials in accordance with current industry standards and applicable legislation is as important as full traceability and GMP conform production in the manufacturing plants.

Quadrant EPP delivers the world's most comprehensive portfolio of engineering and high performance plastics to meet these demanding requirements. The design engineer can choose from a wide range of materials which at the same time meet the needs of the medical, food and pharmaceutical industry:



- Food Regulation EU 10/2011 [Quadrant Food Grades]
- FDA Regulation 21CFR177\*
- Biocompatibility USP Class VI and ISO 10993
- GMP [Good Manufacturing Practice]

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## What are your benefits?

- One material for all industries
- Biocompatibility certified and Food approved stock shapes (each product comes with full documentation and certificates)
- Confidence in materials during approval process
- Full traceability of production and supply chain (every product is labelled with a unique batch number referring to resin and manufacture)
- Separate packaging and special labelling
- Consistent quality: biocompatibility and physical properties guaranteed
- Quadrant design and technical support from concept through machining

## Currently available Portfolio

Quadrant Brand	Color	Chemical Family	Geometry	Quadrant Food Grade EC 10/2011	FDA*	USP VI / EN 10993
<b>Ketron® LSG PEEK</b>	Natural	PEEK	Plate, Rod	+	+	+
<b>Ketron® LSG PEEK</b>	Black	PEEK	Plate, Rod	+	+	+
<b>Ketron® LSG PEEK</b>	Red, Green, Blue	PEEK	Plate, Rod	IT	IT	+
<b>Quadrant® LSG PPSU</b>	Natural	PPSU	Plate, Rod	NT	+	+
<b>Quadrant® LSG PPSU</b>	Black	PPSU	Plate, Rod	+	+	+
<b>Proteus® LSG H PP</b>	Natural	PP-H	Plate	IT	+	+
<b>Proteus® LSG H PP HP</b>	Natural	PP-H	Plate	IT	+	+

+ = tested and passed      \* = FDA statements are based on the composition of the raw materials used.  
 IT = in testing process  
 NT = not tested yet

### NOTE:

If you require LSG and/or Food Grade compliance please clearly specify this in your order!

## Quadrant Engineering Plastic Products

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