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.

Mitsubishi Chemical Advanced Materials offers 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
  [Mitsubishi Chemical Advanced Materials Food Grades]
- FDA Regulation 21CFR177*
- Biocompatibility USP Class VI and ISO 10993
- GMP [Good Manufacturing Practice]
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 manufacturing route)
- Separate packaging and special labelling
- Consistent quality: biocompatibility and physical properties guaranteed
- Mitsubishi Chemical Advanced Materials design and technical support from concept through machining

Currently available Portfolio

<table>
<thead>
<tr>
<th>MCAM Brand</th>
<th>Color</th>
<th>Chemical Family</th>
<th>Geometry</th>
<th>MCAM Food Grade EC 10/2011</th>
<th>FDA*</th>
<th>USP VI / EN 10993</th>
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<tbody>
<tr>
<td>Ketron® LSG PEEK</td>
<td>Natural</td>
<td>PEEK</td>
<td>Plate, Rod</td>
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<tr>
<td>Ketron® LSG PEEK</td>
<td>Red, Green, Blue</td>
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<td>IT</td>
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</tbody>
</table>

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

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

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* "30 days" applies to Ketron® PEEK-CLASSIX™ LSG white only.

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