GRANULAR POLYMER
GRADE G201

Description
Fluon® G201 is a virgin sintered granular PTFE homopolymer. It is intended for the extrusion of premium quality rods up to approximately 25mm diameter and tubes up to approximately 10mm wall thickness.

Safety In Use
Users must refer to the relevant Material Safety Data Sheet.

Food Contact Approval
Information on food contact approval is available from the AGC Chemicals Europe, Ltd sales office.

Typical Properties

<table>
<thead>
<tr>
<th>Notes</th>
<th>Units</th>
<th>Notes</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulk density</td>
<td>g/l</td>
<td>675</td>
<td></td>
</tr>
<tr>
<td>Median particle size</td>
<td>microns</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>Extrusion pressure</td>
<td>MPa</td>
<td>12.5 to 80 but preferably 17 - 35</td>
<td></td>
</tr>
</tbody>
</table>

This information sheet contains typical property data that should not be used for specification purposes.

* MANUFACTURED UNDER A QUALITY SYSTEM APPROVED TO ISO 9001:2000 *
Example of G201 extrusion conditions and extrudate properties

<table>
<thead>
<tr>
<th>Units</th>
<th>G201</th>
</tr>
</thead>
<tbody>
<tr>
<td>Die tube diameter mm</td>
<td>23.0</td>
</tr>
<tr>
<td>Heated length mm</td>
<td>1,700</td>
</tr>
<tr>
<td>Heated length / diameter ratio</td>
<td>74:1</td>
</tr>
<tr>
<td>Temperature profile °C</td>
<td>350/400/400/350</td>
</tr>
<tr>
<td>Powder charge weight g</td>
<td>15</td>
</tr>
<tr>
<td>Total cycle time s</td>
<td>11.2</td>
</tr>
<tr>
<td>Ram dwell time s</td>
<td>1</td>
</tr>
<tr>
<td>Extrusion pressure MPa kgf/cm²</td>
<td>31.5 320</td>
</tr>
<tr>
<td>Extrusion rate m/h kg/h</td>
<td>4.4 3.9</td>
</tr>
<tr>
<td>Diametral shrinkage %</td>
<td>12 - 12.5</td>
</tr>
<tr>
<td>Ultimate tensile strength (i) MPa kgf/cm²</td>
<td>19 195</td>
</tr>
<tr>
<td>Elongation at break (i) %</td>
<td>350</td>
</tr>
<tr>
<td>Relative density</td>
<td>- 2.16</td>
</tr>
<tr>
<td>Porosity to penetrant dye (ii)</td>
<td>Nil</td>
</tr>
</tbody>
</table>

(i) ISO 13000-2: 1997 (E)
Such as 'Ardrox' 996PA supplied throughout Europe by:
Chemetall plc, Denbigh Road, Bletchley, Milton Keynes MK1 1PB
Tel: (01908) 361821
Fax: (01908) 373939
Email: uksales@chemetall.com

Figures given above represent typical values and should not be used for specification purposes.
Packaging

G201 is packed in cardboard boxes with two polyethylene liners. Each box contains 25 kg of G201.

Disposal

Waste polymer should be disposed of by landfill in accordance with any local regulations for the disposal of products of low toxicity or may be incinerated under approved controlled conditions.
If you have an application that you think would benefit by using PTFE, PFA, ETFE or Fluoroelastomer, please contact AGC Chemicals Europe, Ltd at one of the addresses below:

**AGC Chemicals Europe, Ltd**  
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Hillhouse International  
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Email: info@agcce.co.uk  
http://www.agcce.com

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**Asahi Glass Company Limited**  
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Fax: 86 21 6415 9506  
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