

## 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

	Notes	Units	
Bulk density		g/l	675
Median particle size		microns	500
Extrusion pressure		MPa	12.5 to 80 but preferably 17 - 35

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**

	Units	G201
Die tube diameter	mm	23.0
Heated length	mm	1,700
Heated length / diameter ratio		74:1
Temperature profile	°C	350/400/400/350
Powder charge weight	g	15
Total cycle time	s	11.2
Ram dwell time	s	1
Extrusion pressure	MPa kgf/cm <sup>2</sup>	31.5 320
Extrusion rate	m/h kg/h	4.4 3.9
Diametral shrinkage	%	12 - 12.5
Ultimate tensile strength (i)	MPa kgf/cm <sup>2</sup>	19 195
Elongation at break (i)	%	350
Relative density	-	2.16
Porosity to penetrant dye (ii)	-	Nil

(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](mailto:uksales@chemetall.com)

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



## TECHNICAL INFORMATION SHEET

### 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.

Information contained in this publication (and otherwise supplied to users) is based on our general experience and is given in good faith, but we are unable to accept responsibility in respect of factors that are outside our knowledge or control. All conditions, warranties and liabilities of any kind relating to such information, expressed or implied, whether arising under statute, tort or otherwise are excluded to the fullest extent permissible in law. The user is reminded that his legal responsibility may extend beyond compliance with the information provided. Freedom under patents, copyright and registered designs cannot be assumed.

Fluon® grades are general industrial grades. It is the responsibility of the purchaser to check that the specification is appropriate for any individual application. Particular care is required for special applications such as pharmaceutical, medical devices or food. Not all grades are suitable for making finished materials and articles for use in contact with foodstuffs. It is advisable to contact the AGC Chemicals Europe, Ltd sales office for the latest position. Users of Fluon® are advised to consult the relevant Health and Safety literature which is available from the AGC Chemicals Europe, Ltd sales office.

**Fluon® is a registered trade mark of the Asahi Glass Company.**



## TECHNICAL INFORMATION SHEET

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**

PO Box 4, York House  
Hillhouse International  
Thornton Cleveleys  
Lancashire  
FY5 4QD  
UK

Tel : +44 (0) 1253 861963  
Fax : +44 (0) 1253 861950

Email: [info@agcce.co.uk](mailto:info@agcce.co.uk)  
<http://www.agcce.com>

### **AGC Chemicals Americas, Inc.**

55 E. Uwchlan Avenue, Suite 201  
Exton  
PA 19341  
UNITED STATES OF AMERICA

Tel: (800) 424-PTFE (7833)  
Tel: + 1 610 423-4300 (outside USA)  
Fax: + 1 610 423-4301

Email: [info@agcchem.com](mailto:info@agcchem.com)  
<http://www.agcchem.com>

### **Asahi Glass Company Limited**

6th Floor  
Shin-Yurakucho Building  
1-12-1, Yurakucho,  
Chiyoda-ku  
Tokyo 100-8405  
JAPAN

Tel : + 81 3 3218 5855  
Fax : + 81 3 3218 7849

Email: [kazuhiko-kameda@agc.co.jp](mailto:kazuhiko-kameda@agc.co.jp)  
<http://www.agc.co.jp>

### **AGC Chemicals Asia Pacific Pte., Ltd.**

460 Alexandra Road  
#17-03 PSA Building  
SINGAPORE 119963

Tel: +65 6273 5656  
Fax: +65 6276 8783

email: [casey@sg.agc-chemicals.com](mailto:casey@sg.agc-chemicals.com)

### **AGC Chemicals Trading (Shanghai) Co., Ltd.**

Room 6405, Rui Jin Business Center  
118 Rui Jin (2) Road, Shanghai  
CHINA  
Postcode: 200020

Tel: 86 21 6415 165  
Fax: 86 21 6415 9506

email: [acs-suzu@uninet.cn](mailto:acs-suzu@uninet.cn)