

## GRANULAR POLYMER GRADE G163

### Description

Fluon® G163 is a virgin granular PTFE homopolymer. It is a fine powder grade used for moulding but also intended as a feedstock for making filled PTFE compounds.

### 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	
Recommended preforming pressure		MPa	16
Bulk density		g/l	340
Median particle size		microns	25
Compression ratio	Note 1	-	4.4
Diametral shrinkage	Note 2	%	5
Tensile strength	Note 3	MPa	33
Elongation	Note 3	%	350
Surface finish		-	Excellent

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

- Note 1: Ratio of powder height to height of sintered moulding, preformed at recommended pressure.
- Note 2: Comparing diameter of a disc moulding preformed at recommended pressure with the diameter of the mould used.
- Note 3: Measured according to ISO12086-2, preformed at the pressure recommended for the grade.

**\* MANUFACTURED UNDER A QUALITY SYSTEM APPROVED TO ISO 9001:2000 \***



## TECHNICAL INFORMATION SHEET

### **Packaging**

G163 is packed in cardboard boxes with two polyethylene liners. Each box contains 20 kg of G163

### **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:

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