TECHNICAL INFORMATION SHEET

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	^{o}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^2	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^2	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

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.

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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UK

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