

# Fluoroplex G 15 - GMA

Polytetrafluoroethylene

UNIFLON

## Message:

Fluoroplex G 15-GMA is a polytetrafluoroethylene (PTFE) product, which contains 15% graphite powder as filler. It can be processed by sintering or injection molding and is available in North America or Latin America.

General Information			
Filler / Reinforcement	Graphite powder, 15% filler by weight		
Features	Good liquidity		
Processing Method	Sintering		
	Injection molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.15 - 2.19	g/cm <sup>3</sup>	Internal method
Apparent Density	0.59 - 0.69	g/cm <sup>3</sup>	Internal method
Particle size distribution-d50	520.0 - 670.0	μm	Internal method
Contractility-Sintering	1.0 - 2.0	%	Internal method
Sintering Temperature - Maximum	365	°C	
Flow time-50 grams	2.2 - 3.2	sec	Internal method

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60 - 65		Internal method

Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	15.0	MPa	Internal method
Tensile Elongation (Break)	60	%	Internal method

Additional Information	Nominal Value	Unit	Test Method
Code: 010029702			

Injection	Nominal Value	Unit
Mold Temperature	21.0 - 25.0	°C
Injection Pressure	53.9 - 63.7	MPa

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## Recommended distributors for this material

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