

Fluoroplex GF 515 - GMA

Polytetrafluoroethylene

UNIFLON

Message:

Fluoroplex GF 515-GMA is a polytetrafluoroethylene (PTFE) product, which contains 15% glass fiber reinforced materials and 5.0% graphite powder. It can be processed by sintering or injection molding and is available in North America or Latin America.

General Information	
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight Graphite powder, 5.0% filler by weight
Features	Good liquidity
Processing Method	Sintering Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.20 - 2.24	g/cm ³	Internal method
Apparent Density	0.65 - 0.75	g/cm ³	Internal method
Particle size distribution-d50	580.0 - 660.0	μm	Internal method
Contractility-Sintering	0.80 - 1.9	%	Internal method
Sintering Temperature - Maximum	365	°C	
Flow time-50 grams	2.0 - 3.0	sec	Internal method

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	61 - 66		Internal method

Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	16.0	MPa	Internal method
Tensile Elongation (Break)	140	%	Internal method

Additional Information	Nominal Value	Unit	Test Method
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Code: 010019302

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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