

Fluoroplex MF 515 - GMF

Polytetrafluoroethylene

UNIFLON

Message:

Fluoroplex MF 515-GMF is a polytetrafluoroethylene (PTFE) product, which contains a 15% glass fiber reinforced material. It can be processed by sintering or injection molding and is available in North America or Latin America. The main characteristics are: lubrication.

General Information	
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight
Additive	Molybdenum disulfide lubricant (5%)
Features	Good liquidity
Processing Method	Sintering Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.24 - 2.28	g/cm ³	Internal method
Apparent Density	0.71 - 0.81	g/cm ³	Internal method
Particle size distribution-d50	530.0 - 630.0	μm	Internal method
Contractility-Sintering	1.0 - 2.0	%	Internal method
Sintering Temperature - Maximum	360	°C	
Flow time-50 grams	1.3 - 2.7	sec	Internal method

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	61 - 67		Internal method

Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	17.2	MPa	Internal method
Tensile Elongation (Break)	160	%	Internal method

Additional Information	Nominal Value	Unit	Test Method
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Code: 010040002

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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

