

# Fluoroplex MB 555 - GMP

Polytetrafluoroethylene

UNIFLON

## Message:

Fluoroplex MB 555-GMP is a polytetrafluoroethylene (PTFE) product, which contains 55% bronze filler. 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	Bronze filler, 55% filler by weight
Additive	Molybdenum disulfide lubricant (5%)
Features	Good liquidity
Processing Method	Sintering Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	3.75 - 3.85	g/cm <sup>3</sup>	Internal method
Apparent Density	1.05 - 1.20	g/cm <sup>3</sup>	Internal method
Particle size distribution-d50	438.0 - 698.0	μm	Internal method
Contractility-Sintering	0.90 - 1.9	%	Internal method
Sintering Temperature - Maximum	360	°C	
Flow time-50 grams	1.5 - 2.3	sec	Internal method

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	69 - 74		Internal method

Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	18.0	MPa	Internal method
Tensile Elongation (Break)	60	%	Internal method

Additional Information	Nominal Value	Unit	Test Method
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Code: 010003802

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

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