

# 3M™ Dyneon™ TFM™ Modified PTFE

## Compound TFM 6213

Polytetrafluoroethylene

3M Advanced Materials Division

Message:

3M™ Dyneon™ TFM™ Modified PTFE Compound TFM 6213 is a free-flowing suspension PTFE compound containing 15% electro graphitized carbon for compression and automatic moulding.

Special Features

Increased thermal dimensional stability

Increased surface hardness

Improved deformation under load

Reduced friction and wear

Good chemical stability

High limiting oxygen index (LOI)

Low friction behaviour

Very good mechanical properties

Exceptional temperature resistance

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 15% filler by weight		
Features	Low friction coefficient		
	Weldable		
	Good liquidity		
Uses	Washer		
	Seals		
	Application in Automobile Field		
Forms	Powder		
Processing Method	Compression molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.10	g/cm³	ASTM D4745-06
Apparent Density	0.73	g/cm³	ASTM D4894-07
Molding Shrinkage - Flow	3.4	%	ASTM D4894-07
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	70		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	20.0	MPa	ASTM D4745-06
Tensile Elongation (Break)	390	%	ASTM D4745-06

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