

# 3M™ Dyneon™ PTFE Compound TF 3236

Polytetrafluoroethylene  
3M Advanced Materials Division

Message:

3M™ Dyneon™ PTFE Compound TF 3236 is a non-free-flowing suspension PTFE compound containing 33% carbon graphite for compression moulding.

Special Features

- Increased thermal dimensional stability
- Increased surface hardness
- Improved deformation under load
- Reduced friction & wear
- Low moulding pressure
- High limiting oxygen index (LOI)
- Low friction behaviour
- Improved mechanical properties
- Exceptional temperature resistance
- Good chemical stability

General Information			
Filler / Reinforcement	Graphite fiber reinforced material, 33% filler by weight		
Features	Low friction coefficient		
Uses	Seals		
	Application in Automobile Field		
Forms	Powder		
Processing Method	Compression molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.99	g/cm <sup>3</sup>	ASTM D4745-06
Apparent Density	0.44	g/cm <sup>3</sup>	ASTM D4894-07
Molding Shrinkage - Flow	1.5	%	ASTM D4894-07
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	72		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	15.5	MPa	ASTM D4745-06
Tensile Elongation (Break)	70	%	ASTM D4745-06

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