

# 3M™ Dyneon™ TFM™ Modified PTFE

## Compound TFM 8271

Polytetrafluoroethylene

3M Advanced Materials Division

Message:

3M™ Dyneon™ Modified TFM™ PTFE Compound TFM 8271 is a pre-sintered compound based on modified suspension PTFE of the 2nd generation containing blue pigment for ram extrusion.

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

General Information			
Additive	Pigment		
Features	Low friction coefficient		
	Good liquidity		
Uses	Washer		
	Seals		
	Application in Automobile Field		
Appearance	Blue		
Forms	Powder		
Processing Method	Plunger press-out		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.15	g/cm³	ASTM D4745-06
Apparent Density	0.74	g/cm³	ASTM D4894-07
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	29.0	MPa	ASTM D4745-06
Tensile Elongation (Break)	350	%	ASTM D4745-06

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