

3M™ Dyneon™ TFM™ Modified PTFE

Compound TFM 3712

Polytetrafluoroethylene

3M Advanced Materials Division

Message:

3M™ Dyneon™ TFM™ Modified PTFE Compound TFM 3712 is a non-free-flowing suspension PTFE compound containing 15% glass fibre and 5% molybdenum disulfide for compression moulding.

- Special Features
- Increased thermal dimensional stability
 - Increased surface hardness
 - Improved deformation under load
 - Reduced friction and 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	Glass fiber reinforced material, 15% filler by weight		
Additive	Molybdenum disulfide lubricant (5%)		
Features	Low friction coefficient		
	Weldable		
	Lubrication		
Uses	Washer		
	Seals		
	Application in Automobile Field		
Forms	Powder		
Processing Method	Compression molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.27	g/cm³	ASTM D4745-06
Apparent Density	0.53	g/cm³	ASTM D4894-07
Molding Shrinkage - Flow	2.8	%	ASTM D4894-07
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	68		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	20.5	MPa	ASTM D4745-06
Tensile Elongation (Break)	370	%	ASTM D4745-06

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Recommended distributors for this material

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