

# 3M™ Dyneon™ PTFE Compound TF 6712

Polytetrafluoroethylene  
3M Advanced Materials Division

Message:

3M™ Dyneon™ PTFE Compound TF 6712 is a free-flowing suspension PTFE compound containing 15% glass fibre and 5% molybdenum disulfide 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	Glass fiber reinforced material, 15% filler by weight		
Additive	Molybdenum disulfide lubricant (5%)		
Features	Low friction coefficient		
	Lubrication		
Uses	Seals		
	Application in Automobile Field		
Forms	Powder		
Processing Method	Compression molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.27	g/cm <sup>3</sup>	ASTM D4745-06
Apparent Density	0.78	g/cm <sup>3</sup>	ASTM D4894-07
Molding Shrinkage - Flow	1.6	%	ASTM D4894-07
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	68		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	18.0	MPa	ASTM D4745-06
Tensile Elongation (Break)	250	%	ASTM D4745-06

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

