

# 3M™ Dyneon™ PTFE Compound APNV063

Polytetrafluoroethylene

3M Advanced Materials Division

## Message:

3M™ Dyneon™ PTFE Compound APNV063 is a free-flowing suspension PTFE compound containing 17.5 % filler for compression and isostatic 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	Filler, 18% filler by weight
Features	Low friction coefficient
Uses	Seals
	Application in Automobile Field
Forms	Powder
Processing Method	Isostatic pressing
	Compression molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.99	g/cm <sup>3</sup>	ASTM D4745-06
Apparent Density	0.66	g/cm <sup>3</sup>	ASTM D4894-07
Molding Shrinkage - Flow	2.3	%	ASTM D4894-07
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	68		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	15.0	MPa	ASTM D4745-06
Tensile Elongation (Break)	170	%	ASTM D4745-06

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: [sales@su-jiao.com](mailto:sales@su-jiao.com)

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

