

# 3M™ Dyneon™ PTFE Compound 1174 N

Polytetrafluoroethylene

3M Advanced Materials Division

Message:

3M™ Dyneon™ PTFE Compound 1174 N 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		
	Lubrication		
Uses	Seals		
	Application in Automobile Field		
Forms	Powder		
Processing Method	Compression molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.26	g/cm³	ASTM D4745-06
Apparent Density	0.53	g/cm³	ASTM D4894-07
Molding Shrinkage - Flow	2.1	%	ASTM D4894-07
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	66		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	25.5	MPa	ASTM D4745-06
Tensile Elongation (Break)	290	%	ASTM D4745-06

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

