

3M™ Dyneon™ TFM™ Modified PTFE

Compound TFM 4105

Polytetrafluoroethylene

3M Advanced Materials Division

Message:

3M™ Dyneon™ TFM™ Modified PTFE Compound 4105 is a Polytetrafluoroethylene (PTFE) product filled with 25% glass fiber. It can be processed by compression molding or sintering and is available in Europe or North America. Typical application: Engineering/Industrial Parts.

General Information	
Filler / Reinforcement	Glass Fiber,25% Filler by Weight
Features	Good Flow
Uses	Bearings
	Valves/Valve Parts
Processing Method	Compression Molding
	Sintering

Physical	Nominal Value	Unit	Test Method
Density	2.24	g/cm ³	ISO 12086
Apparent Density	0.82	g/cm ³	ISO 12086
Average Particle Size	580	µm	ISO 12086
Compression Molding Molding Pressure	70.0	MPa	
Compression Molding Temperature	23 to 26	°C	
Sintering Temperature	370 to 375	°C	

Mechanical	Nominal Value	Unit	Test Method
Deformation Under Load ¹ (23°C, 15 MPa)	3.50	%	ASTM D621

Films	Nominal Value	Unit	Test Method
Tensile Strength - TD ² (1000 µm)	14.0	MPa	ISO 12086
Tensile Elongation - TD ³ (Break, 1000 µm)	420	%	ISO 12086

NOTE	
1.	100 h load, 25 h relaxation
2.	Measured on sintered moldings
3.	Measured on sintered moldings

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

