

3M™ Dyneon™ PTFE Compound TF 4705

Polytetrafluoroethylene

3M Advanced Materials Division

Message:

Features

Dyneon™ PTFE Compound with 15 % glass fibre and 5 % graphite

Free flow compound

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
	Graphite Fiber,5.0% Filler by Weight		
Features	Good Flow		
Processing Method	Compression Molding		
	Sintering		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.22	g/cm ³	ASTM D4745-06
Apparent Density	0.73	g/cm ³	ASTM D4894-07
Molding Shrinkage - Flow	1.8	%	ASTM D4894-07
Hardness	Nominal Value	Unit	Test Method
Shore Hardness ¹ (Shore D)	69		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Break)	19.5	MPa	ASTM D4745-06
Tensile Elongation ³ (Break)	280	%	ASTM D4745-06
Additional Information	Nominal Value	Unit	
Compression Molding Molding Pressure	50.0	MPa	
Compression Molding Temperature	23 to 26	°C	
Sintering Temperature	< 365	°C	
NOTE			
1.	Measured on sintered moldings		
2.	Measured on sintered moldings		
3.	Measured on sintered moldings		

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Recommended distributors for this material

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