

3M™ Dyneon™ PTFE Compound TF 3712

Polytetrafluoroethylene

3M Advanced Materials Division

Message:

Features

Dyneon™ PTFE Compound with 15 % glass fibre and 5% molybdenum disulfide

Low flow compound

General Information	
Filler / Reinforcement	Glass Fiber,15% Filler by Weight
Additive	Molybdenum Disulfide Lubricant (5%)
Features	Low Flow
	Lubricated
Processing Method	Compression Molding
	Sintering

Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.27	g/cm ³	ASTM D4745-06
Apparent Density	0.49	g/cm ³	ASTM D4894-07
Molding Shrinkage - Flow	1.4	%	ASTM D4894-07
Hardness	Nominal Value	Unit	Test Method
Shore Hardness ¹ (Shore D)	68		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Break)	24.0	MPa	ASTM D4745-06
Tensile Elongation ³ (Break)	280	%	ASTM D4745-06
Additional Information	Nominal Value	Unit	
Compression Molding Molding Pressure	45.0	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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