

3M™ Dyneon™ PTFE Compound TF 3215

Polytetrafluoroethylene

3M Advanced Materials Division

Message:

Features

Dyneon™ PTFE Compound with 25 % electrographitized carbon

Low flow compound

General Information	
Filler / Reinforcement	Carbon Fiber,25% Filler by Weight
Features	Low Flow
Processing Method	Compression Molding Sintering

Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.07	g/cm ³	ASTM D4745-06
Apparent Density	0.45	g/cm ³	ASTM D4894-07
Molding Shrinkage - Flow	2.0	%	ASTM D4894-07

Hardness	Nominal Value	Unit	Test Method
Shore Hardness ¹ (Shore D)	72		DIN 53505

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Break)	20.0	MPa	ASTM D4745-06
Tensile Elongation ³ (Break)	250	%	ASTM D4745-06

Additional Information	Nominal Value	Unit
Compression Molding Molding Pressure	70.0	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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