

3M™ Dyneon™ PTFE Compound TF 6221

Polytetrafluoroethylene

3M Advanced Materials Division

Message:

- Features
- Dyneon™ PTFE Compound filled with conductive pigment
- Free flow compound
- Antistatic
- FDA approved fillers

General Information			
Additive	Antistatic		
	Pigment		
Features	Antistatic		
	Good Flow		
Processing Method	Compression Molding		
	Sintering		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.14	g/cm ³	ASTM D4745-06
Apparent Density	0.63	g/cm ³	ASTM D4894-07
Molding Shrinkage - Flow	3.0	%	ASTM D4894-07
Hardness	Nominal Value	Unit	Test Method
Shore Hardness ¹ (Shore D)	64		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Break)	27.0	MPa	ASTM D4745-06
Tensile Elongation ³ (Break)	280	%	ASTM D4745-06
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	< 1.0E+4	ohms · cm	IEC 60093
Additional Information	Nominal Value	Unit	
Compression Molding Molding Pressure	35.0	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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