

3M™ Dyneon™ TFM™ Modified PTFE

Compound TFM 6221

Polytetrafluoroethylene

3M Advanced Materials Division

Message:

3M™ Dyneon™ TFM™ Modified PTFE Compound 6221 is a Polytetrafluoroethylene (PTFE) product. It can be processed by compression molding or sintering and is available in Europe or North America. Typical application: Food Contact Applications.

Characteristics include:

Antistatic

Food Contact Acceptable

General Information	
Additive	Antistatic Pigment
Features	Antistatic Food Contact Acceptable Good Flow
Agency Ratings	FDA 21 CFR 177.1550
Processing Method	Compression Molding Sintering

Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.15	g/cm ³	ASTM D4745-06
Apparent Density	0.65	g/cm ³	ASTM D4894
Molding Shrinkage - Flow	4.6	%	ASTM D4894-07
Hardness	Nominal Value	Unit	Test Method
Shore Hardness ¹ (Shore D)	66		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Break)	30.0	MPa	ASTM D4745-06
Tensile Elongation ³ (Break)	390	%	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		

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| 2. | Measured on sintered moldings |
| 3. | Measured on sintered moldings |

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