

# 3M™ Dyneon™ PTFE TF 2071Z

Polytetrafluoroethylene

3M Advanced Materials Division

## Message:

PTFE fine powder for tubing, wire and cable applications

### Features

Meets ASTM D 4895-04 Type I, Grade 1, Class C classification.

3M™ Dyneon™ PTFE Paste TF 2071Z is the recommended grade for the manufacture of high quality tubing and wire and cable insulation up to RR of 1600:1

High molecular weight PTFE powder, produced by the emulsion polymerization

Product grade with higher extrusion pressure and green strength value than 3M™ Dyneon™ PTFE Paste TF 2072Z

Wide processing range because of high RR

General Information			
Features	High Molecular Weight		
Uses	Insulation		
	Tubing		
	Wire & Cable Applications		
Forms	Paste		
	Powder		
Processing Method	Ram Extrusion		
	Sintering		
Physical	Nominal Value	Unit	Test Method
Density <sup>1</sup>	2.16	g/cm <sup>3</sup>	ISO 12086
Apparent Density	0.49	g/cm <sup>3</sup>	ISO 60
Average Particle Size	400	µm	ISO 13320
Extrusion Pressure - reduction ratio 1600	50.0	MPa	ASTM D4895
Reduction Ratio	20-1600:1		Internal Method
Films	Nominal Value	Unit	Test Method
Tensile Strength	34.0	MPa	ISO 527-3
Tensile Elongation (Break)	410	%	ISO 527-3
NOTE			
1.	measured on sintered moldings		

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