

# 3M™ Dyneon™ PTFE TF 2029Z

Polytetrafluoroethylene

3M Advanced Materials Division

## Message:

PTFE fine powder for electrical tape and yarn applications

### Features

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

3M™ Dyneon™ PTFE Paste TF 2029Z is the preferred grade for tapes with high mechanical strength, e.g. electrical tape for wrapped insulations or flat cables

Recommendable grade for yarn applications, e.g. sewing or weaving yarn for filter and sealing materials or dental floss

High molecular weight PTFE powder, produced by the emulsion polymerization

Designed for low reduction ratios

Providing high stretch ratio

Processing by standard paste extrusion

General Information	
Features	High Molecular Weight
Uses	Tape
	Yarn
Forms	Paste
	Powder
Processing Method	Calendering
	Ram Extrusion
	Sintering

Physical	Nominal Value	Unit	Test Method
Density <sup>1</sup>	2.15	g/cm <sup>3</sup>	ISO 12086
Apparent Density	0.45	g/cm <sup>3</sup>	ISO 60
Average Particle Size	630	µm	ISO 13320
Extrusion Pressure - reduction ratio 400	50.0	MPa	ASTM D4895
Reduction Ratio	5-100:1		Internal Method

Films	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup>	34.0	MPa	ISO 527-3
Tensile Elongation <sup>3</sup> (Break)	380	%	ISO 527-3

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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