

3M™ Dyneon™ PTFE TF 2021Z

Polytetrafluoroethylene

3M Advanced Materials Division

Message:

PTFE fine powder for unsintered thread sealing tape joint sealing and tubing applications

Features

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

3M™ Dyneon™ PTFE Paste TF 2021Z is the preferred grade for unsintered thread sealing tapes, expanded joint sealings and tubings

High molecular weight PTFE powder produced by emulsion polymerization

Fine powder grade for low to medium reduction ratios

Providing high stretch ratio

Product grade with lower extrusion pressure and green strength level than 3M™ Dyneon™ PTFE Paste TF 2025Z.

Processing by standard paste extrusion methods

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

Physical	Nominal Value	Unit	Test Method
Density ¹	2.15	g/cm ³	ISO 12086
Apparent Density	0.47	g/cm ³	ISO 60
Average Particle Size	510	µm	ISO 13320
Extrusion Pressure - reduction ratio 400	30.0	MPa	ASTM D4895
Reduction Ratio	20-500:1		Internal Method
Films	Nominal Value	Unit	Test Method
Tensile Strength ²	34.0	MPa	ISO 527-3
Tensile Elongation ³ (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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