

3M™ Dyneon™ PTFE TF 2073Z

Polytetrafluoroethylene

3M Advanced Materials Division

Message:

PTFE fine powder for micro tubing, wire and cable applications

Features

- 3M™ Dyneon™ PTFE Paste TF 2073Z is the recommended grade for the manufacture of high quality micro tubing and wire and cable insulation
- PTFE Paste TF 2073Z is a valuable addition to 3M™ Dyneon™ PTFE Paste TF 2072Z for very thin-wall, smallest diameter tubing and wire and cable insulation with maximum RR of up to 4400:1
- High molecular weight PTFE powder, produced by the emulsion polymerization
- Product grades with differing extrusion pressure and green strength values, (PTFE Pasate TF 2073Z lower than PTFE Paste TF 2072Z)
- PTFE Paste TF 2073Z needs less lubricant than PTFE Paste TF 2072Z (1 part by weight per 100 parts by weight PTFE)
- Wide processing range because of very high RR
- Far more cost-effective processing because of the possible use of larger pre-forms
- Processing by standard paste extrusion methods

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 ¹	2.17	g/cm ³	ISO 12086
Apparent Density	0.49	g/cm ³	ISO 60
Average Particle Size	400	µm	ISO 13320
Extrusion Pressure - reduction ratio 1600	26.0	MPa	ASTM D4895
Reduction Ratio	50-4400:1		Internal Method
Films	Nominal Value	Unit	Test Method
Tensile Strength ²	35.0	MPa	ISO 527-3
Tensile Elongation ³ (Break)	460	%	ISO 527-3
NOTE			
1.	measured on sintered moldings		
2.	measured on sintered moldings		
3.	measured on sintered moldings		

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