

3M™ Dyneon™ PTFE TF 2035Z

Polytetrafluoroethylene

3M Advanced Materials Division

Message:

PTFE for pipe liner applications

Features

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

High molecular weight PTFE fine powder produced by emulsion polymerization

3M™ Dyneon™ PTFE Paste TF 2035Z is the preferred grade for pipe liners with reduction ratios from RR 15 to RR 300

PTFE Paste TF 2035Z is an improved fine powder with good mechanical properties

Low transversal shrinkage

Improved permeation behavior compared to 3M™ Dyneon™ PTFE Paste TF 2025Z

General Information	
---------------------	--

Features	High Molecular Weight
	Low Shrinkage
Uses	Liners
Forms	Paste
	Powder
Processing Method	Ram Extrusion
	Sintering

Physical	Nominal Value	Unit	Test Method
Density ¹	2.16	g/cm ³	ISO 12086
Apparent Density	0.45	g/cm ³	ISO 60
Molding Shrinkage	3.5	%	Internal Method
Average Particle Size	600	µm	ISO 13320
Extrusion Pressure - reduction ratio 400	35.0	MPa	ASTM D4895
Reduction Ratio	15-300		Internal Method

Films	Nominal Value	Unit	Test Method
Tensile Strength			ISO 527-3
-- ²	37.0	MPa	
MD ³	38.0	MPa	
TD ⁴	34.0	MPa	
Tensile Elongation			ISO 527-3
Break ⁵	460	%	
MD : Break ⁶	440	%	
TD : Break ⁷	520	%	

NOTE

1.	measured on a pipe liner with dimension 52mm x 48mm with RR = 23; 19 weight parts lubricant
2.	On an ASTM-plate
3.	measured on a pipe liner with dimension 52mm x 48mm with RR = 23; 19 weight parts lubricant
4.	measured on a pipe liner with dimension 52mm x 48mm with RR = 23; 19 weight parts lubricant
5.	On an ASTM-plate
6.	measured on a pipe liner with dimension 52mm x 48mm with RR = 23; 19 weight parts lubricant
7.	measured on a pipe liner with dimension 52mm x 48mm with RR = 23; 19 weight parts lubricant

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

