

PTFE Fine Powder 4D, 4DL

Description

Pureflon® PTFE

Pureflon® PTFE 4D and 4DL are virgin fine powder with low Reduction Ratio. They are produced by dispersion method and designed to produce PTFE unsintered tape, tube, belt and elastic band etc. 4D and 4DL are recommended to be processed through Paste Extrusion method.

Product Features

- ☆ Low Reduction Ratio
- ☆ Smooth Surface Finish
- ☆ Suitable for Paste Extrusion process
- ☆ High tensile strength and good extensibility
- ☆ Good chemical resistance

Main Technical Properties

	Test Method	Unit	4D	4DL
Tensile strength	ASTM D 4895	Mpa	≥ 32.0	≥ 28.0
Elongation at break	ASTM D 4895	%	≥ 300	≥ 300
Bulk density	ASTM D 4895	g/L	350 - 550	350 - 550
Average particle size, D50	ASTM D 4895	μm	400 - 600	400 - 600
S.S.G.	ASTM D 4895		2.15 – 2.19	2.18 - 2.24
Water Content	ASTM D 4895	%	≤ 0.03	≤ 0.03
Thermal instability index	ASTM D 4895	°C	≤ 50	≤ 50
Extrusion Pressure (Reduction Ratio 400:1)	ASTM D 4895	Mpa	20~40	25~45

Application

4D: Make medium and high density seal tape, tube, rod, elastic band, belt, various length of Fiber.

4DL: Make low and medium density seal tape, belt etc.

Packing, Storage & Transportation

- Packed with sealed PVC bag, load in waterproof paper barrel.
- Not classified as hazardous for transport. Avoid shaking and heating during transportation.
- It should be stocked in clean, cool and dry warehouse, prevent from agglomeration and contamination.