



21 Woodlands Close #01-16, Primz Bizhub, Singapore 737854. Tel: 65-6397 5001 Fax: 65-6397 5002

## TECHNICAL DATA SHEET PTFE MICRO POWDER SYNFLOW (FOOD CONTACT) COMPARISON CHART

PROPERTY	STANDARD	UNIT	TF 920	TF 930	TF 940	TF 970	TF 9100	TF 9120
<b>PHYSICAL CHARACTERISTICS</b>								
Specific Gravity	DIN 53479	g/cm <sup>3</sup>	2.18 ± 0.02	2.18 ± 0.02	2.18 ± 0.02	2.18 ± 0.02	2.18 ± 0.02	2.18 ± 0.02
Bulk Density	ISO 12086	g/l	400 - 500	400 - 500	400 - 500	400 - 500	400 - 500	400 - 500
Particle Size (D10)	ISO 13320	μ	0.5	1	1	1	3	5
Particle Size (D50)	ISO 13320	μ	1.8	3	4	7	10	12
Particle Size (D90)	ISO 13320	μ	9.7	9	16	20	20	25
Melting Peak Temperature	ASTM D1457	°C	327 - 330	327 - 330	327 - 330	327 - 330	327 - 330	327 - 330
Specific Surface Area	BET	Mq/g	5 - 10	1.5 - 3	4	11	1.5 - 3	5 - 10
Melt Flow Index 380°C	(21 kg, 1mm die)	g/10'	/	/	0.05	/	/	/
Colour	INTERNAL	VISUAL	White	White	White	White	White	White
Food Contact Approval	EU/FDA	/	SI	SI	SI	SI	SI	SI

### GENERAL APPLICATION

TF 920, TF 930 - Inks, oil and greases, coating.  
 TF 940 - Inks, oil and greases, coating, additive for elastomer and thermoplastic.  
 TF 970 - Inks, oil and greases, coating, rubber, spray mold release, paint, waxes. It is used as an additive in high quality oils and greases to reduce coefficient of friction and enhance tribological performance. Very good blendability.  
 TF 9100, TF 9120 - Elastomer and thermoplastic additive.

### PACKAGING

20 kg drums

### 100% UNSINTERED PTFE

The grade is inert to any industrial chemical solvent.  
 It has an excellent electrical insulation, does not absorb water and has a high resistance aging.

### FDA APPROVAL

The grade is accordant with the requirements of FDA (United States of America Food and Drug Administration) regulation 21 CFR 177.1550.