



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

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

PROPERTY	STANDARD	UNIT	TF 920	TF 920 G	TF 930	TF 940	TF 970	TF 970 G	TF 970 G *	TF 9100	TF 9120	TF 910
PHYSICAL CHARACTERISTICS												
Specific Gravity	DIN 53479	g/cm ³	2.18 ± 0.02	2.18 ± 0.02	2.18 ± 0.02	2.18 ± 0.02	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	400 - 500	400 - 500	400 - 500	/
Particle Size (D10)	ISO 13320	μ	0.5	0.5	1	1	1	1	1	3	5	/
Particle Size (D50)	ISO 13320	μ	1.8	1.8	3	4	7	7	7	10	12	/
Particle Size (D90)	ISO 13320	μ	9.7	9.7	9	16	20	20	20	20	25	/
Primary Particle Size	ISO 13321	μ	/	/	/	/	/	/	/	/	/	0.2
Solid Content (% PTFE by weight)	ISO 12086	%	/	/	/	/	/	/	/	/	/	60
PH of Dispersion	/	/	/	/	/	/	/	/	/	/	/	10
Melting Peak Temperature	ASTM D1457	° C	327 - 330	327 - 330	327 - 330	327 - 330	327 - 330	327 - 330	327 - 330	327 - 330	327 - 330	327 - 330
Specific Surface Area	BET	Mq/g	5 - 10	1 - 3	1.5 - 3	4	11	1 - 3	3	1.5 - 3	5 - 10	5 - 10
Melt Flow Index 380°C	(21 kg, 1mm die)	g/10'	/	/	/	0.05	/	/	/	/	/	/
Colour	INTERNAL	VISUAL	White	White	White	White	White	White	White	White	White	/
Viscosity	ISO 2555	mPa*s	/	/	/	/	/	/	/	/	/	25
Appearance	INTERNAL	VISUAL	/	/	/	/	/	/	/	/	/	Milky White Liquid
Food Contact Approval	EU/FDA	/	NO	NO	NO	NO	NO	YES	NO	NO	NO	/
GENERAL APPLICATION												
<p>TF 920, TF 930 - Inks, oil and greases, coating.</p> <p>TF 920 G - Inks, coating, thermoplastic and rubber.</p> <p>TF 940 - Inks, oil and greases, coating, additive for elastomer and thermoplastic.</p> <p>TF 970, TF 970 G* - 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.</p> <p>TF 970 G - Used like additive to improve the PTFE properties in thermoplastic compound. Very good blendability.</p> <p>TF 9100, TF 9120 - Elastomer and thermoplastic additive.</p> <p>TF 910 - Impregnated packing, surface metal coating, anti-drip additive for plastics, etc.</p>												
PACKAGING												
<p>Others - 20 kg drums</p> <p>TF 910 - 20 kg drums, 120 kg drums</p>												
100% UNSINTERED PTFE												
<p>The grade is inert to any industrial chemical solvent.</p> <p>It has an excellent electrical insulation, does not absorb water and has a high resistance aging.</p> <p>Note: Above not applicable to TF 910.</p>												