MICFLON
Specialized In Fluoroplastics

Shandong Micflon Technology Co.,LTD
Comprehensive Bonded Zone, Zibo City, Shandong, China
T +86-533-3191063 / F +86-533-3191061
www.micflon.com

Filler	Product Code		Composition	Tensile Strength	Tear Elongation	Specific Gravity	Bulk density	Average Particle Size	Characteristic
	Non Free Flow	Free Flow		MPa	%	g/cm 3	g/L	um	
PTFE	-	MF810-FF	100% PTFE	≥28	≥300	2.15±0.05	810±10	500±50	Spherical particles, Good fluidity, Suitable for automatic production
	-	MF850S-FF	100% PTFE	≥28	≥300	2.15±0.05	850±10	300±50	Small particle size, Suitable for automatic feeding of thin-walled tube and special-shaped Parts
	-	MF850-FF	100% PTFE	≥28	≥300	2.15±0.05	850±10	500±50	High bulk density
	-	MF1000-FF	100% PTFE	≥25	≥270	2.15±0.05	≥1000	500±50	High bulk density, High hardness, Suitable for high temperature production
Glass Fiber	MF10GL-NFF	MF10GL-FF	PTFE+10% Glass fiber	≥25	≥250	2.2±0.1	800±50	500±50/----	Low creep, High wear resistance
	MF15GL-NFF	MF15GL-FF	PTFE+15% Glass fiber	≥25	≥250	2.2±0.1		500±50/----	
	MF20GL-NFF	MF20GL-FF	PTFE+20% Glass fiber	≥20	≥200	2.2±0.1		500±50/----	
	MF25GL-NFF	MF25GL-FF	PTFE+25% Glass fiber	≥20	≥200	2.2±0.1		500±50/----	

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	Non Free Flow	Free Flow		MPa	%	g/cm 3	g/L	um	
Bronze	MF35BR-NFF	MF35BR-FF	PTFE+35% Bronze	≥25	≥270	2.8±0.2	1200±100	500±50/----	Low creep, High wear resistance, Good thermal conductivity
	MF40BR-NFF	MF40BR-FF	PTFE+40% Bronze	≥25	≥270	2.8±0.2		500±50/----	
	MF50BR-NFF	MF50BR-FF	PTFE+50% Bronze	≥20	≥250	3.3±0.2		500±50/----	
	MF60BR-NFF	MF60BR-FF	PTFE+60% Bronze	≥20	≥250	3.5±0.2		500±50/----	
Carbon	MF10CAR-NFF	MF10CAR-FF	PTFE+10% Carbon	≥23	≥240	2.1±0.1	750±50	500±50/----	Low creep, High wear resistance, High PV value
	MF15CAR-NFF	MF15CAR-FF	PTFE+15% Carbon	≥20	≥200	2.1±0.1		500±50/----	
	MF23CAR-NFF	MF23CAR-FF	PTFE+23% Carbon	≥18	≥180	2.0±0.1		500±50/----	
	MF25CAR-NFF	MF25CAR-FF	PTFE+25% Carbon	≥15	≥150	2.0±0.1		500±50/----	
Carbon Fiber	MF5CF-NFF	MF5CF-FF	PTFE+5% Carbon fiber	≥28	≥280	2.15±0.05	800±50	500±50/----	High wear resistance, Low creep, Chemical resistance, High PV value
	MF10CF-NFF	MF10CF-FF	PTFE+10% Carbon fiber	≥25	≥270	2.15±0.05		500±50/----	
	MF15CF-NFF	MF15CF-FF	PTFE+15% Carbon fiber	≥22	≥250	2.15±0.05		500±50/----	

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	Non Free Flow	Free Flow		MPa	%	g/cm 3	g/L	um	
Graphite	MF5GR-NFF	MF5GR-FF	PTFE+5% Graphite	≥25	≥250	2.15±0.05	750±50	500±50/----	Low friction, High wear resistance, Corrosion resistance, High PV value
	MF10GR-NFF	MF10GR-FF	PTFE+10% Graphite	≥23	≥200	2.15±0.05		500±50/----	
	MF15GR-NFF	MF15GR-FF	PTFE+15% Graphite	≥18	≥180	2.1±0.05		500±50/----	
	MF20GR-NFF	MF20GR-FF	PTFE+20% Graphite	≥16	≥140	2.0±0.05		500±50/----	
	MF25GR-NFF	MF25GR-FF	PTFE+25% Graphite	≥12	≥100	2.0±0.05		500±50/----	
	MF30GR-NFF	————	PTFE+30% Graphite	≥8	≥70	2.0±0.05		500±50/----	
POB	MF5EK-NFF	MF5EK-FF	PTFE+5% POB	≥27	≥280	2.15±0.05	750±50	500±50/----	High lubrication, Low friction, Low cold flow, High temperature resistance
	MF10EK-NFF	MF10EK-FF	PTFE+10% POB	≥24	≥260	2.0±0.1		500±50/----	
	MF15EK-NFF	MF15EK-FF	PTFE+15% POB	≥20	≥240	2.0±0.1		500±50/----	
PI	MF5PI-NFF	MF5PI-FF	PTFE+5% PI	≥27	≥280	2.0±0.05	750±50	500±50/----	High lubrication, Low friction, Low cold flow, High temperature resistance
	MF10PI-NFF	MF10PI-FF	PTFE+10% PI	≥24	≥260	2.0±0.05		500±50/----	
	MF15PI-NFF	MF15PI-FF	PTFE+15% PI	≥20	≥240	1.9±0.1		500±50/----	

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Average Particle Size	Characteristic		Average Particle Size	Tensile Strength	Tear Elongation	Specific Gravity	Bulk density	Average Particle Size	Characteristic
	Non Free Flow	Free Flow		MPa	%	g/cm 3	g/L	um	
PEEK	MF10PEEK-NFF	MF10PEEK-FF	PTFE+10% PEEK	≥24	≥260	2.0±0.05	750±50	500±50/----	High lubrication, Low friction, Low cold flow, High temperature resistance
	MF20PEEK-NFF	MF20PEEK-FF	PTFE+20% PEEK	≥15	≥180	1.9±0.1		500±50/----	
Al_2O_3	MF10AL-NFF	MF10AL-FF	PTFE+10% Al2O3	≥20	≥240	2.2±0.1	750±50	500±50/----	High hardness, High wear resistance
	MF20Al-NFF	MF20Al-FF	PTFE+20% Al2O3	≥15	≥180	2.2±0.1		500±50/----	
Composite material-modified	MF15GL5M-NFF	MF15GL5M-FF	PTFE+15% GL+5%M	≥20	≥270	2.2±0.1	800±50	500±50/----	High wear resistance, low creep, chemical corrosion resistance
	MF23CAR2GR-NFF	MF23CAR2GR-FF	PTFE+23%CAR+2%GR	≥18	≥240	2.1±0.1	750±50	500±50/----	High wear resistance, low creep and corrosion resistance

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	Non Free Flow	Free Flow		MPa	%	g/cm 3	g/L	um	
Composite material-modified	MF35BR5GR-NFF	MF35BR5GR-FF	PTFE+35%BR+5%GR	≥18	≥200	2.9±0.1	1100±100	500±50/----	Good heat conduction, high wear resistance, low cold flow
	MF31CAR2GR-NFF	MF31CAR2GR-FF	PTFE+31%CAR+2%GR	≥10	≥80	1.9±0.1	700±50	500±50/----	High wear resistance, low cold flow, corrosion resistance
	MF20CAR5GL-NFF	MF20CAR5GL-FF	PTFE+20%CAR+5%GL	≥15	≥180	2.0±0.1	750±50	500±50/----	High wear resistance, creep resistance, low cold flow
Conductive Material	MFEC01-NFF	MFEC01-FF	Conductive material Low resistivity, Low creep, Can be used as conductive electrode, Electric heating film, etc.						
	MFEC02-NFF	MFEC02-FF	Anti-static material Wear-resistant, Low creep (Color: Black, White)						