

Polyurethane Wire Enamel (PU)

聚氨酯漆包線漆

Product	Viscosity		Solid Content		Characteristics And Applications	Conductor Diameter	Film Thickness	Heat Shock		Cut Through	Breakdown Voltage	Flexibility		Solderability Temperature	Solderability Time	Tan δ	Thermal Index	UL File No. E173840	
產品名稱	粘度		固體含量 (%)			特性及應用	裸線直徑	漆膜厚度	耐熱衝擊		軟化擊穿	擊穿電壓	柔韌性		焊錫溫度	焊錫時間	介質損耗	耐熱指數	UL 認證號碼 E173840
	Ford cup (#4)	Brookfield type	120°C X3hrX1.2g	180°C X1hrX1.0g	mm		μm	x	d	°C	°C	kV	%	x	d	°C	sec	°C	
TPU F2 30NC	20±5	36±10	30.0±1.0	25.0±1.5	作業性、經時針孔、直焊性佳 Excellent workability and solderability, pinhole free.	0.30	35	6	175	245	9.2	20	1	360	2	150	130	V	
TPU F2 35NC	28±5	60±10	35.0±1.0	29.0±1.5		0.50	43	6	175	245	10.0	20	1	360	2	150	130		
TPU F2 40NC	55±10	120±30	40.0±1.0	33.0±1.5															
TPU F2 55NC	N/A	2000±500	55.0±1.0	47.0±1.5															
FPU 28L	17±5	25±5	28.0±1.0	24.0±1.5	細線或絞線使用，作業性、直焊性佳、低焊渣 For fine wire or litz wire, excellent workability and solderability with less solder slag.	0.15	34	3	175	237	8.7	20	1	360	1	150	155	V	
FPU 30L	19±5	30±10	30.0±1.0	26.0±1.5															
FPU 35L	28±5	60±10	35.0±1.0	30.0±1.5															
FPU 30LH	19±5	30±10	30.0±1.0	26.0±1.5	細線或絞線使用，作業性、直焊性佳、低焊渣；可高速化作業 For fine wire or litz wire, excellent workability and solderability with less solder slag. Also use for high speed machine.	0.15	33	3	175	229	8.1	20	1	360	1	150	155	V	
FPU 35LH	28±5	60±10	35.0±1.0	30.0±1.5															
FPU 38V	30±5	70±15	38.0±1.0	33.0±1.5	大線使用，密著性、耐熱佳；環型線圈應用 Use for medium to large wire, excellent adherence and thermal resistance. Can be applied to toroidal coil.	1.20	62	3	175	275	10.4	20	1	400	1	170	155	V	
FPU 55V	N/A	2000±400	55.0±1.0	47.0±1.5															
FPU AK 28S	19±5	30±10	28.0±1.0	23.0±1.5	極細線專用、低溫直焊性佳 For super fine wire application, excellent low soldering temperature.	0.15	28	3	175	220	9.0	20	1	300	1.5	170	155	V	
FPU AK 32	19±5	40±10	32.0±1.0	26.0±1.5	細線專用、低溫直焊性佳 For fine wire, excellent low soldering temperature.	0.15	21	2	175	227	6.7	20	1	320	1.5	170	155	V	
FPU 35VN	24±5	50±10	35.0±1.0	30.0±1.5	耐熱衝擊、密著性、直焊性佳；耗漆量少、低臭味環保品 Excellent heat shock, excellent workability and solderability. Less consumption of coating, low odor, environmentally friendly.	0.30	28	3	175	248	7.4	20	1	360	1.2	170	155	V	
FPU 38VN	31±5	75±15	38.0±1.0	32.0±1.5															
FPU 40VN	38±6	100±20	40.0±1.0	34.0±1.5															
FPU 50VK	140±20	350±70	50.0±1.0	43.0±1.5	高濃度低黏度，密著性、耐熱佳；環型線圈應用 High solid content with low viscosity, excellent adherence and thermal resistance. Can be applied to toroidal coil.	0.50	42	3	175	255	10.8	20	1	380	1	170	155	V	
FPU A1 30E	19±5	30±10	30.0±1.0	25.0±1.5	絞線用、水中針孔、水中耐電壓、直焊性佳 For litz wire, excellent solderability, pinhole and BDV test in water has fine performance.	0.15	25	3	175	253	8.9	20	1	340	2	170	155	V	
FPU A1 35E	28±5	60±10	35.0±1.0	29.0±1.5															
FPU A1 30	19±5	30±10	30.0±1.0	26.0±1.5	耐熱性、作業性、針孔性、直焊性佳 Excellent thermal resistance, workability, solderability and pinhole free.	0.15	25	3	175	255	9.2	20	1	360	2	170	155	V	
FPU A1 35	28±5	60±10	35.0±1.0	30.0±1.5															
FPU A1 40	55±10	120±20	40.0±1.0	34.0±1.5															
FPU A1 45	105±15	300±50	45.0±1.0	39.0±1.5		0.30	35	3	175	260	8.7	20	1	360	2	170	155		
FPU A5 30	20±5	36±10	30.0±1.0	26.0±1.5	耐熱衝擊、耐軟化、直焊性佳 Excellent heat shock, solderability and high cut-through temperature.	0.30	41	2	200	265	10.5	20	1	360	2	200	155	V	
FPU A5 35	28±5	60±10	35.0±1.0	30.0±1.5															
FPU A5 50	200±20	800±150	50.0±1.0	43.0±1.5															
FPH 130	25±5	50±10	30.0±1.0	26.0±1.5	高耐軟化溫度、高介質損耗、耐熱壽命佳，回流焊應用 High cut-through temperature, Tan δ, and excellent thermal endurance. Can be applied to reflow soldering process.	0.30	30	2	200	285	8.2	15	1	390	2	224	180	V	
FPH 135	55±10	120±30	35.0±1.0	30.0±1.5															
FPH 230	20±5	36±10	30.0±1.0	26.0±1.5	高耐軟化溫度、耐熱衝擊佳 High cut-through temperature, and excellent heat shock.	0.30	30	2	200	270	7.9	15	1	390	1	195	180	V	
FPH 235	25±5	60±10	35.0±1.0	30.0±1.5															
FPH 245FI	180±30	500±100	45.0±1.0	39.0±1.5	完全絕緣線 (FIW) 專用、作業性佳 For fully Insulated wire, excellent workability.	0.40	210	3	200	270	19.3	20	3	390	2	198	180	V	
FPH 250FI	200±20	800±150	50.0±1.0	43.0±1.5															
FPH 240FW	40±10	90±20	40.0±1.0	34.0±1.5	扁平線專用、作業性佳 For rectangular wire, excellent workability.	0.30	32	2	200	270	7.7	15	1	390	1	196	180	V	
FPH 250FW	200±20	800±150	50.0±1.0	43.0±1.5															
FPH 330	20±5	36±10	30.0±1.0	26.0±1.5	高耐軟化溫度、高介質損耗、直焊性佳 High cut-through temperature, Tan δ, and excellent solderability.	0.30	30	3	200	275	8.0	20	3	370	1	227	180	V	
FPH 335	30±5	70±10	35.0±1.0	30.0±1.5															
FPH 330J	19±5	33±7	29.0±1.5	25.0±1.5	高速機用、直焊性佳、高介質損耗 For high speed machine, excellent solderability, high Tan δ.	0.10	21	3	200	250	6.4	20	3	350	1	229	180	V	
FPH 730C	20±5	36±7	30.0±1.0	25.5±1.5	高耐軟化溫度、高介質損耗，電感應用 High cut-through temperature, high Tan δ. Can be applied to inductor.	0.10	20	3	220	285	8.9	20	3	420	2	255	200		

※ 聚氨酯系列可製成自潤滑產品
※ The PU series can be produced to self-lubricating products

※ 耐熱衝擊符合 NEMA 標準
※ The heat shock test conform to the standard of NEMA