

# Selfbonding Wire Enamel (SB)

## 自粘性漆包線漆

Product	Viscosity		Solid Content		Characteristics And Applications	Conductor Diameter	Film Thickness	Bonding Temperature	Bonding Time	Bonding Strength	Resoftening Temperature
產品名稱	粘度		固體含量 (%)		特性及應用	裸線直徑	漆膜厚度	粘結溫度	粘結時間	粘結強度	再軟化溫度
	Ford cup (#4)	Brookfield type	120°C × 3hr × 1.2g	180°C × 1hr × 1.0g		mm	μm	°C	min	N	°C
	sec 25°C	mPa·s 30°C									
FBL 7P	25±5	50±5	7.0±1.5	7.0±1.5	縮丁醛系，酒精 / 熱風加工，空心線圈與音圈等應用 PVB type, bonding by alcohol or hot air, can be applied to air coil and voice coil.	0.30	15	130~150	30	1.0	110~130
TCV UF 8M	30±5	65±5	8.0±1.0	8.0±1.0	尼龍系，通電 / 熱風加工，小型馬達、智能卡、無線充電等應用 Nylon type, bonding by hot air/electricity, can be applied to small electric motor, smart card, and wireless charging.	0.30	15	140~160	30	1.8	120~140
TCV UF 12M	170±20	400±100	12.0±1.0	12.0±1.0							
TCV UF 8	30±5	65±5	8.0±1.0	8.0±1.0	尼龍系，酒精 / 熱風加工，小型音圈、中大型馬達應用，也可取代含浸漆 Nylon type, bonding by alcohol or hot air, can be applied to small voice coil, large or medium motor. It can replace dipping varnish.	0.30	15	160~190	30	2.0	140~160
TCV UF 12	170±20	400±100	12.0±1.0	12.0±1.0							
TCV UF 16EN	170±20	400±100	16.0±1.0	16.0±1.0	綠色產品 (低臭味)，尼龍系，酒精 / 熱風加工，音圈、馬達應用 Environmental friendly product (low odor), nylon type, bonding by alcohol/hot air, for voice coil, motor application.	0.30	12	170~190	30	2.0	150~170
FSB BT 16	130±20	280±100	16.0±1.0	16.0±1.0	尼龍-環氧系，酒精 / 熱風加工，耐熱性，音圈、馬達應用 Nylon-epoxy type, bonding by alcohol/hot air processing, excellent thermal resistance. For voice coil, motor application.	0.30	13	170~190	30	2	185~190
FCV DP 25	N/A	2500±500	25.0±1.0	25.0±1.0	環氧系，通電 / 熱風加工，適用於電機馬達 Epoxy type, bonding by hot air/electricity, can be applied to hermetic application and electric motor.	0.30	15	160~180	30	1.5	150~170
FCV DP 25AA-1	200±20	800±200	25.0±1.0	25.0±1.0	環氧系，通電 / 熱風加工，無甲酚低臭味自粘漆；適用於電機馬達 Epoxy type, bonding by hot air/electricity, cresol free and low odor SB enamel, can be applied to electric motor.						
FSB DF 12SL	60±10	120±30	12.0±1.0	12.0±1.0	尼龍系，通電 / 熱風加工，震動馬達、手錶線圈，無線充電應用 Nylon type, bonding by hot air with low bonding temperature/electricity, can be applied to vibration motor, watch coil, and wireless charging.	0.30	15	120~140	30	2.0	100~120
FSB DF 20SL	N/A	1200±300	20.0±1.0	20.0±1.0							
FSB YF 10LA	40±5	80±20	9.0±1.0	9.0±1.0	尼龍系，通電 / 熱風加工，風扇馬達、小型馬達應用 Nylon type, bonding by hot air/electricity, can be applied to fan motor and small motor.	0.30	15	140~170	30	2.0	120~140
FSB YF 15LA	190±20	600±150	15.0±1.0	15.0±1.0							
FSB FZ 17LA	N/A	1200±300	17.0±1.0	17.0±1.0	尼龍系，通電 / 熱風加工，小型馬達、震動馬達應用 Nylon type, bonding by hot air/electricity, can be applied to small motor, vibration motor.	0.30	15	160~180	30	2.0	140~160
FSB JY 10LA	57±10	100±20	10.0±1.0	10.0±1.0	尼龍系，通電 / 熱風加工，小型馬達、震動馬達應用 Nylon type, bonding by hot air/electricity, can be applied to small motor, vibration motor.	0.30	15	170~190	30	2.0	150~170
FSB JY 19LA	N/A	1200±300	19.0±1.0	19.0±1.0							
FSB PH 9A	33±5	65±10	9.0±1.0	8.0±1.0	尼龍系，通電 / 熱風加工，部分熱硬化高溫自粘漆，應用於風扇馬達、耐熱馬達 Nylon type, bonding by hot air/electricity, partial thermo-setting SB enamel, can be applied to fan motor and thermoresistant motor.	0.30	15	180~210	30	1.5	180~190
FSB PH 24A	N/A	1500±400	24.0±1.0	23.0±1.0							
FSB AN 30	N/A	1200±300	30.0±1.0	26.0±1.0	芳香族尼龍系，高濃度化，通電 / 熱風加工，無甲酚低臭味，適用於耐熱電機、壓縮機；可與底漆同溫同爐作業 Aromatic nylon type, high solid content, bonding by hot air/electricity, cresol free and low odor SB. Can be applied to thermoresistant electric motor, compressor. It can be worked under same oven same temperture as base coating.	0.30	20~25	210~240	30	1.5	210~220
FSB AN 30B	N/A	1200±300	30.0±1.0	26.0±1.0	芳香族尼龍系，高粘著力、高濃度化，通電 / 熱風加工，無甲酚低臭味，適用於耐熱電機、壓縮機；可與底漆同溫同爐作業。熔着溫度低 Aromatic nylon type, great adhesion and solid content, bonding by hot air/electricity, cresol free and low odor SB. Can be applied to thermoresistant electric motor, compressor. It can be worked under same oven same temperture as base coating. low bonding temperture.	0.30	20~25	190~220	30	2.0	190~210
FSB ECO 110L	N/A	45±15	10.0±1.0	10.0±1.5	無酚系環保 SB，尼龍系，通電 / 熱風加工，低溫融著加工，震動馬達、手錶線圈，無線充電應用 Environmentally friendly Enamel (free cresol/phenol/xlylenol), Nylon type, bonding by hot air/electricity, low bonding temperture, Vibration motor, watch coil, wireless charging application.	0.30	15~20	120~140	30	2.0	80~100
FSB ECO 212LA	N/A	240±60	12.0±1.0	12.0±1.5	無酚系環保 SB，尼龍系，通電 / 熱風加工，震動馬達、手錶線圈，無線充電應用 Environmentally friendly Enamel (free cresol/phenol/xlylenol), Nylon type, bonding by hot air/electricity, Vibration motor, watch coil, wireless charging application.	0.30	15~20	150~180	30	2.0	120~140

※ 再軟化溫度：依據黏結力測試 JIS C3003  
 ※ Resoftening temperature is according to bonding test JIS C3003