

Polyamide-imide Wire Enamel (PAI)

聚醯胺醯亞胺漆包線漆

Product	Viscosity		Solid Content		Characteristics And Applications	Conductor Diameter	Film Thickness	Heat Shock	Cut Through	Breakdown Voltage	Flexibility	Tan θ (Static Type)	Freon Resistance Extraction		Freon Resistance B.D.V. residue		Freon Resistance Blister		Tan δ	Thermal Index	UL File No. E173840										
	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	靜滑性係數	耐冷媒萃取性		耐冷媒 B.D.V. 殘存率		耐冷媒發泡性		介質損耗	耐熱指數
	Ford cup (#4) sec 25°C	Brookfield type mPa·s 30°C	200°C × 2hr×1.5g	180°C × 1hr×1.0g																				mm	μm	x d	°C	°C	kV		
NH AI 20PA	25±5	60±10	20.0±1.0	21.0±1.5	細線毛氈作業、耐熱性佳 For fine wire with felt coating. Excellent heat shock and freon resistance.	0.10	20	1	260	420	8.0	20	1	-----	-----	-----	-----	-----	-----	290	220	V									
NH AI 32P	340±35	1000±250	32.0±1.0	33.0±1.5	作業性、耐熱性、耐冷媒性佳 Excellent heat shock and freon resistances. Good workability.	0.50	47	1	260	440	12.0	20	1	-----	0.05	0.03	98	98	160	160	285	220	V								
NH AI 27S	N/A	1500±300	27.0±1.0	28.0±1.5	大線單塗作業、拉斷露銅密著、可撓性佳 For large wire single coat application. Excellent adherence and flexibility.	1.60	70	1	260	430	14.5	15	1	-----	0.05	0.03	98	98	160	160	290	220	V								
NH AI 30S	N/A	2800±500	30.0±1.0	31.0±1.5																											
NH AI 30MSLK	220±20	700±150	30.0±1.0	31.0±1.5	自潤滑，滑性係數佳、往復式耐磨耗佳、外層批覆專用 Self-lubricating PAI enamel, excellent coefficient of static friction and abrasion resistance (reciprocative), use for top coat.	0.50 (底層 Base coat: FEI 9838HMA)	55	2	220	365	14.5	20	1	0.04-0.06	0.11	0.07	96	98	140	140	200	-----									
NH AI 30MLK	270±30	800±200	30.0±1.0	31.0±1.5	自潤滑，滑性係數佳、外層批覆專用 Self-lubricating PAI enamel, excellent coefficient of static friction, use for top coat.	0.50 (底層 Base coat: FEI 9838HMA)	55	2	220	370	14.0	20	1	0.04-0.06	0.09	0.07	96	98	140	140	200	-----									
NH AI 34HD	340±35	1000±250	34.0±1.0	35.5±1.5	高濃度低黏度，雙塗作業專用 High sold content with low viscosity, use for double coat.	0.50	45	2	260	390	12.0	20	1	-----	0.05	0.03	98	98	140	140	280	220	V								
NH AI 37HD	N/A	2000±400	37.0±1.0	38.5±1.5																											
FAI 130	N/A	2200±500	30.0±1.0	31.0±1.5	作業性佳、高耐軟化 Good workability, high cut-through temperature.	0.50	45	1	260	490	13.0	20	1	-----	-----	-----	-----	-----	-----	290	220										
PAO AI 27S	N/A	1500±300	27.0±1.0	28.0±1.5	扁平線、大圓線使用 It is suitable for flat or rectangular wire. It can also be used for large round wire.	1.60	70	1	260	435	14.0	15	1	-----	0.05	0.03	98	98	160	160	290	220	V								
PAO AI 30S	N/A	2800±500	30.0±1.0	31.0±1.5																											

※耐熱衝擊符合 NEMA 標準

※ The heat shock test conform to the standard of NEMA

Anti-Surge Polyesterimide Wire Enamel (SR)

高耐熱性抗電暈塗料

Product	Viscosity		Solid Content		Characteristics And Applications	Conductor Diameter	Film Thickness	Heat Shock		Cut Through	Breakdown Voltage	Flexibility		Tan δ	Thermal Index	UL File No. E173840							
	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		介質損耗	耐熱指數	
	Ford cup (#4) sec 25°C	Brookfield type mPa·s 30°C	200°C × 2hr×1.5g	180°C × 1hr×1.0g									x d						°C	°C			kV
PAO EIH 38ASA	N/A	1300±250	38.0±1.0	39.0±1.5	EI 系塗料，傳統爐及高速爐作業性佳、抗電暈特性佳 EI type enamel, suitable for high speed machine as well as traditional machine. Excellent workability and anti-surge time.	0.8	70	3	220	415	13.0	15	1	200	200								
PAO AI 29ASS	N/A	1800±500	29.0±1.0	30.0±1.5	AI 系塗料，單塗層 AI(AIW) 專用，傳統爐及高速爐作業性佳，密著性、抗電暈特性佳 AI type enamel, use for single coating AIW. Suitable for high speed machine as well as traditional machine. Excellent workability, adherence, and anti-surge time.	1.2	90	2	260	435	15.5	20	3	280	220								
PAO AI 29ASD	N/A	1800±500	29.0±1.0	30.0±1.5	AI 系塗料，外層塗覆專用，傳統爐及高速爐作業性佳；底層使用 PE 或 PEI，外層使用本產品，可達到抗電暈特性 AI type enamel, use for top coating. Suitable for high speed machine as well as traditional machine. Good anti-surge time for coating PE or PEI in base-coat, and this series in top-coat.	1.2	90	2	260	440	15.0	20	3	275	220								

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※ The heat shock test conform to the standard of NEMA