

Model introduction

Product Type	PEW/130	PEW/155	UEW/130	UEW/155	UEW/180	EIW/180	EI/AIW/200	EI/AIW/220
General Description	130Grade Polyester	155Grade Modified Polyester	155Grade Solderability Polyurethane	155Grade Solderability Polyurethane	180Grade Straight Welded Polyurethane	180Grade Polyester Imine	200Grade Polyamide imide compound polyester imide	220Grade Polyamide imide compound polyester imide
IEC Guideline	IEC60317-3	IEC60317-3	IEC 60317-20, IEC 60317-4	IEC 60317-20, IEC 60317-4	IEC 60317-51,IEC 60317-20	IEC 60317-23, IEC 60317-3, IEC 60317-8	IEC60317-13	IEC60317-26
NEMA Guideline	NEMA MW 5-C	NEMA MW 5-C	MW 75C	MW 79, MW 2, MW 75	MW 82, MW79, MW75	MW 77, MW 5, MW 26	NEMA MW 35-C NEMA MW 37-C	NEMA MW 81-C
UL-Approval	/	YES	YES	YES	YES	YES	YES	YES
Diameters Available	0.03mm-4.00mm	0.03mm-4.00mm	0.03mm-4.00mm	0.03mm-4.00mm	0.03mm-4.00mm	0.03mm-4.00mm	0.03mm-4.00mm	0.03mm-4.00mm
Temperature Index (°C)	130	155	155	155	180	180	200	220
Softening Breakdown Temperature(°C)	240	270	200	200	230	300	320	350
Thermal Shock Temperature(°C)	155	175	175	175	200	200	220	240
Solderability	Not weldable	Not weldable	380°C/2s Solderable	380°C/2s Solderable	390°C/3s Solderable	Not weldable	Not weldable	Not weldable
Characteristics	Good heat resistance and mechanical strength.	Excellent chemical resistance; good scratch resistance; poor hydrolysis resistance	Softening breakdown temperature is higher than UEW/130; easy to dye; low dielectric loss at high frequency; no salt water pinhole	Softening breakdown temperature is higher than UEW/130; easy to dye; low dielectric loss at high frequency; no salt water pinhole	Softening breakdown temperature is higher than UEW/155; straight soldering temperature is 390 °C; easy to dye; low dielectric loss at high frequency; no salt water pinhole	High heat resistance; excellent chemical resistance, high heat shock, high softening breakdown	High heat resistance; thermal stability; cold-resistant refrigerant; high softening breakdown; high thermal shock	High heat resistance; thermal stability; cold-resistant refrigerant; high softening breakdown; high heat rush
Application	Ordinary motor, medium transformer	Ordinary motor, medium transformer	Relays, micro-motors, small transformers, ignition coils, water stop valves, magnetic heads, coils for communication equipment.	Relays, micro-motors, small transformers, ignition coils, water stop valves, magnetic heads, coils for communication equipment.	Relays, micro-motors, small transformers, ignition coils, water stop valves, magnetic heads, coils for communication equipment.	Oil-immersed transformer, small motor, high-power motor, high-temperature transformer, heat-resistant component	Oil-immersed transformer, high-power motor, high-temperature transformer, heat-resistant component, sealed motor	Oil-immersed transformer, high-power motor, high-temperature transformer, heat-resistant component, sealed motor

Typical value of SHENZHOU (0.10mm)	16%	16%	16%	16%	16%	16%	16%	16%
Elongation standard (0.25mm)	≥15%	≥15%	≥15%	≥15%	≥15%	≥15%	≥15%	≥15%
Typical value of SHENZHOU (0.25mm)	28%	28%	28%	28%	28%	28%	28%	28%
Elongation standard (1.00mm)	≥20%	≥20%	≥20%	≥20%	≥20%	≥20%	≥20%	≥20%
Typical value of SHENZHOU (0.25mm)	35%	35%	35%	35%	35%	35%	35%	35%