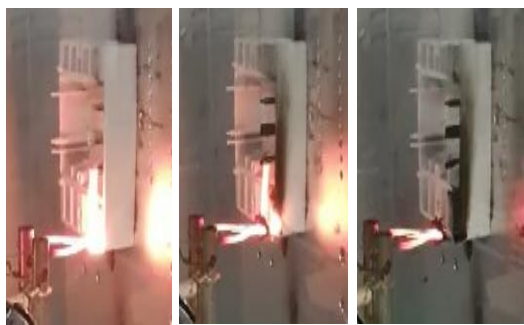


POKETONE for watt-hour meter



* GWFI: 960°C / GWIT: 825°C / GWT: 750°C pass

POKETONE has superior electrical properties, so it is an excellent material that can be applied to watt-hour meter parts.

POKETONE is tested under IEC 60335-1 : Safety of household electrical appliances, and all the results is acceptable

Especially, POKETONE watt-hour meter has passed Glow Wire Test at 750°C (IEC 60695-2-11) with no ignition

Glow Wire Test has performed to about 60 kinds of connectors - All the results is “No Ignition”

UL 746A (POKETONE vs PC)

POKETONE is higher HWI(Hot-wire Ignition), CTI(Comparative Tracking Index), HVTR(High Voltage Arc Tracking Rate), Arc Resistance than existing materials

UL 746A	Existing materials (PC+GF+FR)	POKETONE (PK+GF+FR)
Hot-wire Ignition (HWI)0.8 mm		PLC1
Hot-wire Ignition (HWI)1.5 mm	PLC 3	PLC 0
Hot-wire Ignition (HWI)3.0 mm	PLC 2	PLC 0
High Amp Arc Ignition (HAI)0.8 mm		PLC 0
High Amp Arc Ignition (HAI)1.5 mm	PLC 0	PLC 0
Comparative Tracking Index (CTI)	PLC 3	PLC 0
High Voltage Arc Tracking Rate (HVTR)	PLC 3	PLC 2
Arc Resistance	PLC 7	PLC 5

PROPERTIES (POKETONE vs PC)

Properties	Unit (ISO)	Existing materials (PC+GF+FR)	POKETONE (PK+GF5%+FR)	POKETONE (PK+GF15%+FR)
Density	g/cm ³	1.25	1.29	1.40
Melt Flow Index	g/10min	10	25	13
Mold Shrinkage	%	0.2~0.4	0.7~1.1	0.5~0.8
Tensile strength at yield	MPa	80	55	65
Tensile elongation at break	%	4	18	6
Flexural modulus	MPa	4,300	2,550	4,370
Flexural strength	MPa	138	80	117
Notched Charpy impact strength	kJ/m ²	7	6	8
Flammability	UL94	1.5T V0	0.8T V0	0.8T V0
Outdoor Suitability	UL 746C	f1		Internal Method f1