



ACCESSORIES

SA OUTDOOR CASE

Features

- Surface Mounted, waterproof sealed plastic electrical enclosure switch Junction box.
- Fireproof, explosion-proof, anti-corrosion, insulation and anti-impact.
- Protected from dust, rain.
- Durable in use.
- Applications: cable box, power distribution box, shielding box etc.

Material Specification

**KUMHO
PETROCHEMICAL**



ABS(Acrylonitrile Butadien Styrene)
ABS 780U

Technical Characteristics (ASTM)

Physical	Test Method	Value
Density	ASTM D792	1.04g/cm ³
Melt flow index(220°C,10kg)	ASTM D1238	55g/10min
Melt flow index(220°C,21.6kg)	ASTM D1238	75g/10min
Mold shrinkage	ASTM D955	0.5 ~ 0.8%
Water absorption	ASTM D570	-%

Mechanical	Test Method	Value
Tensile strength	ASTM D638	465 kgf/cm ² (6,510 psi)
Elongation	ASTM D638	20%
Flexural strength	ASTM D790	630 kgf/cm ² (8,820 psi)
Flexuarl modulus	ASTM D790	21,500 kgf/cm ² (305,300 psi)
Izod impact strength(3.2mm, 23°C)	ASTM D256	27 kgf.cm/cm (5.0 ft-lb/in)
Izod impact strength(6.4mm, 23°C)	ASTM D256	22 kgf.cm/cm (4.0 ft-lb/in)
Rockwell hardness(R scale)	ASTM D785	108

Thermal	Test Method	Value
Heat deflection temperature(18.6kgf, cm ²)	ASTM D648	85°C (185°F)
Vicat softening temperature(5kg, 50°C/h)	ASTM D1525	95°C (203°F)

Flammability	Test Method	Value
Flame rating - UL(1.6mm)	UL 94	HB

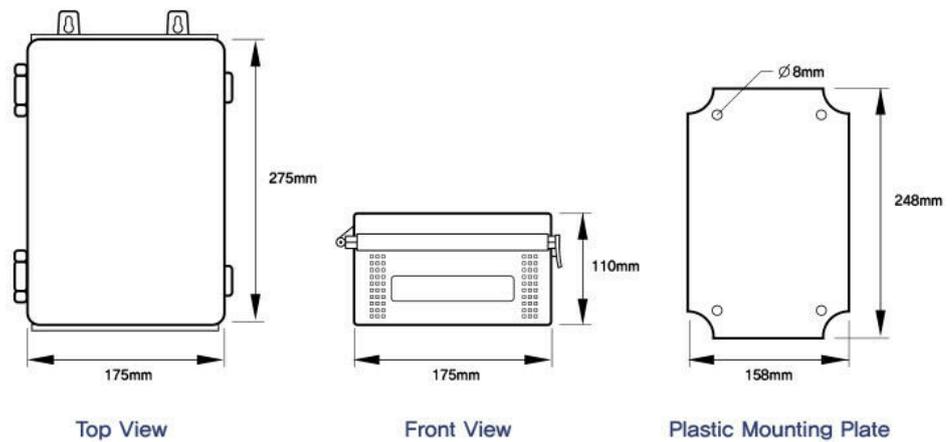
· Notes

UL 94 is a plastics flammability standard released by the Underwriters Laboratories (USA). The standard classifies plastics according to how they burn in various orientations and part thicknesses from the lowest flame-retardant to most flame-retardant in six different classifications.

UL 94 Rating	Definition of rating
HB	Slow burning on a horizontal part
V-2	Burning stops within 30 seconds on a part allowing for drops of vertical flammable plastic.
V-1	Burning stops within 30 seconds on a vertical part allowing for drops of plastic that are not inflames.
V-0	Burning stops within 10 seconds on a vertical part allowing for drops of plastic that are not inflames.
5VB	Burning stops within 60 seconds on a vertical part allowing for drops of plastic that are not inflames.
5VA	Burning stops within 60 seconds on a vertical part allowing for drops of plastic that are not inflames.

Physical Characteristics

Profile Drawings



Dimensions (mm)

Dimensions(W*H*M)	297*175*110mm
Weight	700g