

MARINE AR PMMA

BHT-K0H2S2F1xx, xx= thickness choices

Marine AR PMMA

Description

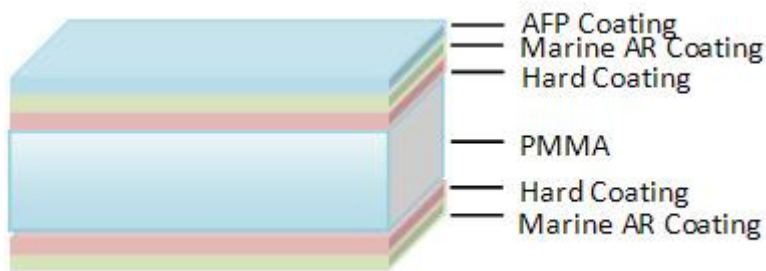
Function

Special and tough environment attacks coating layers on display a lot. With this anti salt water AR coated, the surface will not easy to get damaged, and still keep the high transparenance as originally.

Protector for marine displays was the original idea of this development.

After multiple layers coated, total transparenance within view area still keeps 98% above.

Product Structure



Feature

1. Solid Anti Salt Water AR coating protects the vapor deposited layers away from peeling off within tough operation surroundings.
2. High transparenance, low reflection for both sides.
3. Optical grade PMMA with vapor deposited coating in 1 or 2-side.
4. 440~640nm reflection under 0.5 %
5. 300~700nm reflection under 2%
6. Total transparenance above 98% within whole view area
7. Dirt, finger print easy remove
8. Anti Smudge coating makes water contact angle above 110-degree.
9. Anti Scratch, abrasion resistance.

Characteristics	Method	Result
OPTICAL	Transparence	JISK7105 98%
	Reflection	JISK7105 0.5% at 550nm
MECHANICAL	Hardness	Pencil Hardness 6H
	Abrasion Resistance	Steelwool,1.5kgf, 50 times Scratch line few
	Adhesion (Initial)	Cross cut test 100/100
	Impact Strength	DIN 53453 4kJ/m2
ENVIRONMENT	Humidity Resistance	60°C, 95% Humidity Up to 1,000 hrs
	Heat Resistance	80°C Up to 1,000 hrs
	Heat Impact Resistance	- 30°C & 80°C Up to 500 times

Dimension

Size (mm)

275x360, 310x380, 385x500, 420x530, 430x630, 600x1000

Thickness (mm)

0.5, 0.65, 0.8, 1.0, 1.2, 1.5, 2.0, 3.0, 4.0, 5.0, 6.0, 8.0

Anti-Reflective Spectrum (PMMA, AR+AFP)

