



青 岛 市 采 田 工 业 材 料 有 限 公 司

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TECHNICAL DATA SHEET

PRODUCT: Black Enamel for Automotive Tempered Glass 4708A-P8

APPLICATION:

This enamel is suitable for Automotive Tempered Glass.

Product Characteristics:

Color (Humter ER20)	Black ($\Delta E=0.33$)
Fired surface appearance	Glossy
Solid content	86.2%
Fineness of grind	< 5 μ m
Thermal expansion coefficient	(85 ~ 95) $\times 10^{-7}/K$ (50-300 °C)
Softening point	680°C~720°C
Density	4.5 \pm 0.5 g/cm ³
Odour	Almost no odour
Viscosity (25°C, NDJ79 viscometer)	350 \pm 50 dPa.s
Shelf life (Unopened Store at 5-25°C)	12 months

Chemical Resistance:

Alkali Resistance:

According to ASTM C724-1991

Soaked in 10% NaOH 10-15min, no sharp trace on the surface.

Acid Resistance:

According to ASTM C724-1991,

Soaked in 3.5% HCl 10-15min, no sharp trace on the surface.

Application Parameter:

Printing room temperature	23-27°C
Room humidity	40-60%
Silk screen	72-100T
Wet film thickness	30-40µm
Drying conditions (IR)	150°C/5min
Firing conditions	650-720°C/3-8 min
Mixing conditions	Enamel: Thinner=3%-8%
Thinner	8008-2