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PRELIMINARY DATA SHEET

M4023-C

A black glass designed for Planar Display ribs.

PASTE DATA

RHEOLOGY:	Thixotropic, screen printable paste
VISCOSITY: (Brookfield HBT, No. 6 spindle, 10 rpm, 25.5°C±0.5°C)	350±50 Pa.s
COLOR:	Black
SHELF LIFE: (25°C)	6 months

PROCESSING

SCREEN MESH/EMULSION:	200/64 µm	
LEVELING TIME:	5-10 minutes	
DRYING AT 125°C:	10-15 minutes	
FIRING:	SEE PROFILE ON BACK PAGE	580°C
FIRING TIME: (in air)		10 minutes
SUBSTRATE FOR CALIBRATION:		soda lime glass
THINNER:		ESL 401

TYPICAL PROPERTIES

FIRED THICKNESS:	47±9 µm
CAPACITANCE RANGE:	8-19 pf/mm ²
VOLTAGE BREAKDOWN (at 25 µm thickness)	> 300 VDC
INSULATION RESISTANCE:	> 10 ⁸ Ω

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ESL Affiliates

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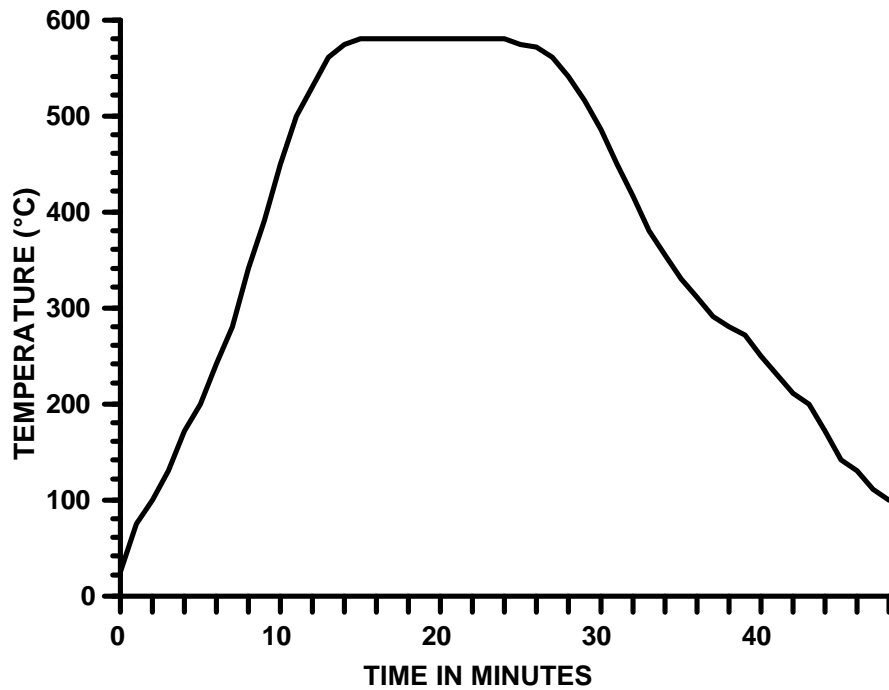
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See Caution and Disclaimer on other side.

M4023-C

RECOMMENDED FIRING PROFILE



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CAUTION: Proper industrial safety precautions should be exercised in using these products. Use with adequate ventilation. Avoid prolonged contact with skin or inhalation of any vapors emitted during use or heating of these compositions. The use of safety eye goggles, gloves or hand protection creams is recommended. Wash hands or skin thoroughly with soap and water after using these products. Do not eat or smoke in areas where these materials are used. Refer to appropriate MSDS sheet.

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