



ESL Electro-Science

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CATHODE PASTE

4420

Cadmium-free, Lead-free, Nickel-free for SOFC and Other Fuel Cells

ESL 4420 is a cathode paste composition that contains lanthanum strontium manganese oxide ($\text{La}_{0.80}\text{Sr}_{0.2}\text{MnO}_3$). It is a screen-printable or dispensable thick-film paste that is catalytic as well as porous.

PASTE DATA

RHEOLOGY:	Thixotropic, screen-printable paste
VISCOSITY: (Brookfield RVT, ABZ Spindle, 10 rpm, 25.5 C \pm 0.5C)	100 \pm 50 Pa s
COLOR:	Black
DRYING TIME AT 125 C:	>15 minutes
LEVELING TIME:	5-10 minutes
SHELF LIFE:	6 months

4420 0403-NEW

ESL Affiliates

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See Caution and Disclaimer on other side

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4420 0403-NEW

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.

DISCLAIMER: The product information and recommendations contained herein are based on data obtained by tests we believe to be accurate, but the accuracy and completeness thereof is not guaranteed. No warranty is expressed or implied regarding the accuracy of these data, the results obtained from the use hereof, or that any such use will not infringe any patent. ESL Electro-Science assumes no liability for any injury, loss, or damage, direct or consequential arising out of its use by others. This information is furnished upon the condition that the person receiving it shall make their own tests to determine the suitability thereof for their particular use, before using it. User assumes all risk and liability whatsoever in connection with their intended use. ESL Electro-Science's only obligation shall be to replace such quantity of the product proved defective.
