ESL ELECTROSCIENCE
CERAMIC TAPES & THICK-FILM MATERIALS
416 EAST CHURCH ROAD
KING OF PRUSSIA, PA 19406-2625 USA
T: 610.272.8000
F: 610.272.6759
www.electroscience.com

ALUMINA DIELECTRIC 4492

High-Temperature RoHS Compliant* Dielectric for Oxygen Sensors

ESL 4492 is a high-temperature insulator composition for use in planar oxygen sensors and other HTCC applications. It is a screen-printable thick-film paste.

PASTE DATA

RHEOLOGY:	Thixotropic, screen printable paste
VISCOSITY: (Brookfield RVT, ABZ Spindle, 10 rpm, 25.5°C±0.5°C)	65±30 Pa·s

PROCESSING

SCREEN PARAMETERS	200-325 mesh/ 5µm emulsion
LEVELING TIME: (25°C)	5-10 minutes
DRYING AT 125°C:	10-15 minutes
PEAK FIRING TEMPERATURE & TIME:	1450°C-1500°C/1.5 hours
SHELF LIFE: (at 25°C)	6 months
THIINER:	ESL 401

ESL Affiliates
ESL China • Rm#1707, Tower A • City Center of Shanghai • 100 Zunyi Road • Shanghai, China 200051Tel: (011-86)-21-62370336 • Fax: (011-86)-21-62370338 • eslchina@eslshanghai.net
ESL Europe • 8 Commercial Road • Reading, Berkshire, England RG2 0QZ • Tel: (011-44)-118-918-2400 • Fax: (011-44)-118-986-7331 • Sales@ESLEurope.co.uk
ESL Nippon • Sukegawa Bldg • 6th floor • 3-4 Yanagibashi 1-chome • Taito-ku • Tokyo 111, Japan • Tel: (011-81)-3-3864-8521 • Fax: (011-81)-3-3864-9270 • Sales@ESL-Nippon.co.jp

PAGE BLANK

***Complies with RoHS, ELV, WEEE and CHIP 3 EC directives.**

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.