



For Immediate Release

CERAC, inc. Introduces New Pre-Melted Oxide Evaporation Materials

Milwaukee, WI, USA, March 25, 2004 Specialty Inorganics and Thin Film Materials manufacturer CERAC, inc. has developed a series of pre-melted refractory oxide materials for Electron-Beam Evaporation Processes. The addition of these products to CERAC's comprehensive line of thin film materials represents CERAC's commitment to deliver value to customers in the optical coatings industry.

"We saw an opportunity to provide a value-added service to our customers" says E.J. Strother, Vice President of Business Development at CERAC. "These melted materials offer reduced outgassing and spitting, allow for longer coating runs due to the increased density over sintered materials, and deliver cost savings by reducing overall cycle times for customers".

By utilizing a custom long-throw, high power e-beam furnace, CERAC is able to produce melted parts made from their own starting materials. Field support provided by CERAC's Advanced Technology Group offers additional value to customers with specific product or application questions.

Cones, rods discs and pieces are manufactured for all e-beam coating platforms, customized to fit any individual pocket or crucible. Materials currently available include Al_2O_3 , HfO_2 (white or black), Ta_2O_5 , TiO_2 and ZrO_2 .

CERAC, inc. has been manufacturing Specialty Inorganic Chemicals and Thin Film Materials in Milwaukee, WI, USA since 1964. Represented globally by a network of domestic and international sales representatives, CERAC services industries such as precision optics, ophthalmics, specialty glass, semiconductor, and opto-electronics with standard and custom manufactured materials.

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