

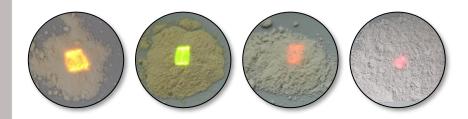
## TECHNICAL DATA SHEET

# AAC200LU Security Pigments

#### **PRODUCT DESCRIPTION**

AAC200LU Security Pigments for anti-counterfeiting are ceramic powders based on ceramic oxide particles, having several advantages:

- **Durability**: Resistant to water, light, and temperature variations.
- Compatibility: Easily mixed with conventional printing inks without altering color perception across a wide range of concentrations. Does not alter color perception of the paint in wide concentration ranges
- Forgery Prevention: Impossible to photocopy, providing a robust anti-counterfeiting measure.
- Versatility: Can be integrated into various polymers such as LLDPE, PMMA, Polyimide, and ABS.
- Selective Visibility: Visible only under specific IR laser irradiation.
- **Distinctive Identification**: Possess an intrinsic, composition-dependent spectral fingerprint that ensures unambiguous recognition.
- Long lifetime



### **TECHNICAL PRODUCT DATA**

| Powder Color           | white to yellowish                                   |
|------------------------|--|
| Typical particle size  | 1-5 μm   |
| Temperature resistance | Up to 1500 °C  |
| Solubility             | not soluble in water or<br>alcohol, soluble in acids |
| Handling               | dry storage  |
| Density (23 °C)        | 7.7 g/cm <sup>-3</sup>                               |
| Toxicity               | Do not swallow                                       |
|                        |  |

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