

TECHNICAL DATA SHEET

TDS #232
 Revision 9
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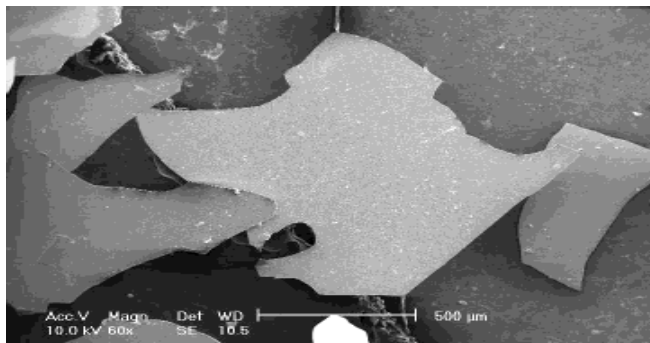
StarLight™ FL500 CAS #s 65997-17-3; 7440-22-4

DESCRIPTION: Silver coated glass flake with brilliant light reflecting properties providing unrivalled sparkle and luster to many applications. These applications include liquid and powder coatings and dispersions, plastics and inks. The perfectly flat glass flake substrate maximizes reflection and provides a solid base for the metallic appearance. These particles are easily dispersible and incorporate by simple mixing. The platelets can provide electrical conductivity in higher concentrations. Compatible with most resin systems and polymers and is non-warping.

COMPOSITION: Silver coated glass flakes

| Physical/Chemical Property | Typical Value | Units | Test Method* |
|----------------------------|---------------|-------|--------------|
| Specific Gravity | 2.7 | n/a | SCTM 312 |
| Mean Particle Size | 328 | µm | SCTM 348 |
| Percent moisture | 0.1 | wt. % | SCTM 248 |
| Heat stability | 1400 | °F | observed |
| | 750 | °C | |

*SCTM refers to Shepherd Color Testing Method.



Scanning Electron Microscope image of FL 500; 60x magnification

Typical PSD d_{10} , d_{50} , d_{90} Values

$d_{10} = 120 \mu\text{m}$
 $d_{50} = 320 \mu\text{m}$
 $d_{90} = 530 \mu\text{m}$

Issued by: Brian Schwer (Technical Manager)

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