

TECHNICAL DATA SHEET

TDS #231
 Revision 8
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StarLight™ FL105 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	100	µm	SCTM 348
Percent moisture	0.1	wt. %	SCTM 248
Heat stability	1400	°F	observed
	750	°C	

*SCTM refers to Shepherd Color Testing Method.



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

$d_{10} = 41 \mu\text{m}$
 $d_{50} = 96 \mu\text{m}$
 $d_{90} = 167 \mu\text{m}$

Scanning Electron Microscope image of FL 105; 60x magnification

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