

Product Data Sheet

LITHOPONE 30% DS

LITHOPONE 30% DS pigment is an organically coated white pigment based on co-precipitated zinc sulfide/barium sulfate. No inorganic surface treatment has been applied helping reduce volatiles and lacing in plastic applications. The product is chemically resistant on the pH range between 4 and 12 and has excellent dispersibility.

LITHOPONE 30% DS pigment has a refractive index of 1.86, high brightness and neutral hue. Low absorption in the near UV range helps increase compatibility with optical brighteners than other inorganic white pigments.

The Benefits of the Product Include:

- Low abrasiveness (due to low Mohs hardness of ca. 3) helps reduce screw and knife wear and make LITHOPONE 30% DS pigment suitable for abrasion sensitive applications
- Bimodal particle size contributes to high extruder yield or throughput in plastics and increased impact strength, reduced friction and increased melt flow
- Partial titanium dioxide replacement can be achieved in plastics and powder coatings
- Low binder demand allows formulators to adjust the viscosity of the coating

Typical Properties

ZnS content [%]	Approx. 30
BaSO ₄ content [%]	Approx. 70
Organic treatment	Present
Brightness L* (powder)	Approx. 98
Average particle size	Bimodal: Ca. 0.3µm of ZnS, Ca. 1µm of BaSO ₄
45 µm sieve residue [%]	≤0.004
pH	Approx. 8
Specific gravity [g/cm ³]	Approx. 4.3
Specific surface area [m ² /g]	<5
C.A.S No.	ZnS: 1314-98-3 BaSO ₄ : 7727-43-7
Rel. lightening power (reference pigment = 100; PVC = 17%)	Approx. 125
Hardness (Mohs)	3

This data sheet includes the typical properties of this pigment. It is not a specification, although specifications are available.

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Safety, Health and Environment

As for all fine powders, the handling of zinc sulfide pigments can give rise to airborne dust. Good industrial hygiene practice should be observed so as to avoid the generation and subsequent inhalation of dust. For more information refer to our material safety data sheet.

Storage

Keep the product unstacked in dry and closed rooms at normal temperature and air humidity. To achieve best possible results, we recommend storage under the conditions stated above and use within 12 months from delivery.

Contact Details

Venator
Titanium House, Hanzard Drive
Wynyard Park, Stockton-on-Tees
TS22 5FD, UK

Tel: +44 (0)1740 608001

Email: info@venatorcorp.com

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