RESIFA™ SOLESPHERE

RESIFA™ SOLESPHERE™ L-Series

Product Description

RESIFA™ SOLESPHERE™ L series is a synthetic sperical silica having low cohesiveness and high fluidity. SOLESPHERE™ L series has lower specific surface area than the H series. This product is suitable for chemical surface modificaiton or coating. Despite the difference in surface area, the product keeps the same oil absorption capacity as the H series. The L series offers better slipperiness and spreadbility over the H series.

Because of the product porosity, it has a light scattering effect for cosmetics and as a matting agent for coatings. The particle size distribution is narrow, so it is able to give a single asperity to a thin coating layer.

		L-31	L-51
Mean particle size	**µm**	3	5
Specific surface area	**m^2/g**	300	300
Pore volume	**mL/g**	1	1
Pore diameter	**nm**	13	13
Oil absorption	**mL/100g**	150	150
Bulk density	**g/mL**	0.18	0.23
Specific gravity	**g/mL**	2.16	2.16

INCI: Silica

Usage levels: 1-5%

Certifications: ECOcert/Cosmos

Particle Structure

- Same oil absorption as H series and lower specific surface area
- Lower surface silanol group than H series

Application Information

Cosmetics and Personal Care

SOLESPHERE™ silica gels are used as additives in cosmetic and personal care applications such as make-up, skin care products, deodorants and fragrances.

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Resins and Polymer Compounds

When added to polymer formulations, SOLESPHERE™ silica gels offer anti blocking and improved dielectric insulation properties. SOLESPHERE™ also provides good UV and hardness properties as an additive for 3D resins.

Catalyst Supports

SOLESPHERE™ is used as a catalyst support carrier particularly with polyolefin manufacturing processes.

Paper Coating

By adding SOLESPHERE™ to paper coating formulations, surface hardness can be increased and matting effect improved.

Coatings

SOLESPHERE™ silica gels are used to improve the matting effect in coatings, as a thickener for paints, and for specialized paints for electronic materials.

RESIFA™ and SOLESPHERE™ are registered trademarks of AGC Inc.

Additional Information

Packaging

SOLESPHERE™ is packaged in a triple lined polyethylene bag contain in a cardboard carton. The box unit is 20 kgs for both L-31 and L-51. Pallet weight is 360 kgs..

Storage and Shelf Life

SOLESPHERE™ silica gels have a shelf life of 2 years from the date of manufacture when stored in the original, unopened package between 10 and 40 C.

Safety and Handling

A Safety Data Sheet for this product may be obtained from your local AGC representative. Before handling, it is recommended to review the Safety Data Sheet for handling, safe, and health information.

Product Specifications

Additional product specifications and information can be obtained by request.

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Chemistry for a Blue Planet
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This information should be used as a guide only and not to establish specification limits or design criteria.