

RESIFA™ SOLESPHERE™ L-Series

Product Description

RESIFA™ SOLESPHERE™ L series is a synthetic spherical 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 modification 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 spreadability 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.

RESIFA™ SOLESPHERE™ L-Series

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.

**AGC Chemicals Company
AGC Inc.**

Shin-Marunouchi Bldg.
1-5-1 Marunouchi
Chiyoda-ku, Tokyo
100-8405 Japan
Tel: +81-3-3218-5438
www.agc-chemicals.com

AGC Asia Pacific Pte., Ltd.

460 Alexandra Road
#32-01 mTower
Singapore 119963
Tel: +65 6273 5656
www.agc-asiapacific.com

**AGC Chemicals Trading
(Shanghai) Inc.**

Room 4008/09, F40, T1
Raffles City Changning
No.1133 Changning Road
Shanghai, China 200051
Tel: +86-21-6386-2211
www.agcsh.com

AGC Chemicals Europe, Ltd.

Hillhouse International
Fleetwood Road North
Thornton-Cleveleys
FY5 4QD
United Kingdom
Tel: +44 (0) 1253 209560
www.agcce.com

**AGC Chemicals Europe, Ltd.
Commercial Centre**

World Trade Center, Zuidplein 80
1077 XV Amsterdam, Netherlands
Tel: +31-(0)-20-880-41-70
www.agcce.com

AGC Vidros do Brasil Ltda.

Estrada Municipal Doutor Jaime
Eduardo Ribeiro Pereira, 500
Jardim Vista Alegre
Guaratinguetá, SP, Brasil
CEP 12523-671
Tel: +55 12 3127-7100
www.agcchem.com/pt-br/



**Chemistry
for a Blue Planet**
AGC Chemicals

**AGC Chemicals
(Thailand) Co., Ltd.**

944 Mitrtown Office Tower, 14th Floor
Rama 4 Road, Wangmai Sub-District
Pathumwan District, Bangkok 10330
Thailand
Tel: +66-2-092-6499
www.acth.co.th

AGC

AGC Chemicals Americas, Inc.

55 E. Uwchlan Avenue, Suite 201
Exton, PA 19341
United States of America

Telephone: +1 610-423-4300
Toll Free (US only): 800-424-7833
Fax: +1 610-423-4305

www.agcchem.com

Visit our website for compliance information and industry certifications.

The information provided herein is related only to the specific product designated and may not be applicable where such product is used in combination with any other materials or in any process.

NO REPRESENTATION OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE, ARE MADE HEREUNDER.

The user of this product has the sole responsibility to determine the suitability of the product for any use and manner of use intended. This document may be revised after its issuance, and the user is advised to use the latest revision.

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