RESIFA™ SOLESPHERE

RESIFA™ SOLESPHERE™ NP-Series

Product Description

RESIFA™ SOLESPHERE™ NP series is a non porous, heat treated silica particle. This series has a very high hardness so it is often used as filler for increasing resin hardness. The high refractiveness of the NP series offers good transparency when added to resins and films. It also is used for anti-blocking in film applications. The NP series has excellent heat resistance and is very dimensionally stable at various temperature ranges.

		NP-30	NP-100	NP-200
Mean particle size	**µm**	4	10	20
Specific surface area	**m^2/g**	40	50	100
Pore volume	**mL/g**	0.05	0.1	0.1
Pore diameter	**nm**	-	-	-
Oil absorption	**mL/100g**	30	35	40
Bulk density	**g/mL**	0.55	0.75	0.85
Specific gravity	**g/mL**	2.18	2.18	2.18

INCI: Silica

Usage levels: 1-5%

Certifications: ECOcert/Cosmos

Particle Structure

- Amorphous and non porous particles
- Highest compression strength (1900MPa)
- Suitable for adding heat resistance and morphological stability

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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Visit our website for compliance information and industry certifications.

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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 25 kgs for all NP grades. Pallet weight is 450 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.