

Andifil AS 150



DESCRIPTION

Andifil AS 150 is a medium surface fumed silica which imparts a significant increase in viscosity in liquid systems, free flow of powders and reinforcement of silicone and organic rubbers.

CHARACTERISTICS

- High purity
- Aggregated structure
- Submicron particle size
- Low bulk density
- Hydrophilic surface

APPLICATIONS

Rheology Control For Coating, Adhesive And Other Liquid Systems:

Andifil AS 150 is widely used to provide thickening, thixotropic (shear-thinning), and anti-settling behavior in liquid systems. Andifil AS 150 is most efficient in non-polar to medium polarity systems. For more polar systems, treated fumed silicas are more effective. Andifil AS 150 offers the best balance of thickening efficiency and dispersibility.

Free Flow of Powder Systems:

When blended into sticky and poorly flowing powder systems, Andifil AS 150 reduces angle of repose and improves powder flow. During storage of powder systems, Andifil AS 150 reduces caking and blocking.

Reinforcement of Silicone and Organic Powder Systems:

Andifil AS 150 can be used for reinforcement of silicone rubber and reinforce organic rubbers. It imparts an increase in hardness, tensile strength and elongation.

For additional information on the product, please contact your Sales Representative.

Andisil®

We believe that the information shown in this Product Bulletin to be an accurate description of the typical characteristics and/or uses of the product. Any suggestions of uses are not to be taken as an inducement to infringe any particular domestic or foreign patent. We recommend that the product be thoroughly tested for a specific application to determine the performance, efficacy and its safe handling and use.

TYPICAL PROPERTIES*

SPECIFIC SURFACE AREA	150 ± 25 m ² /g
PH VALUE	> 4.0
LOSS ON DRY	≤ 3.0%
LOSS ON IGNITION	≤ 2.5%
RESIDUE	≤ 0.05
CONTENT OF CARBON	≤ 0.2%
CONTENT OF SiO ₂	≥ 99.8%
ALUMINUM OXIDE	≤ 0.05%
TITANIUM DIOXIDE	≤ 0.03%
DITANIUM TRIOXIDE	≥ 0.003%
CHLORIDE	≤ 0.025%
VOLUME MASS	25 - 60 g/l

** These properties are not intended to be used as specifications but only as suggested characteristics*

STORAGE & SHELF LIFE

The shelf life, when stored in a closed container in dry conditions, is expected to be a minimum of twelve months.

PACKAGING

Andifil AS 150 is supplied in a 22 lb net weight bag, other packaging options are available upon request.