

Product Information

HYSIL – MICRONIZED SILICA

HYSIL, the brand name of the micronized silica, is a synthetic, amorphous, porous, free-flowing silica powder.

| Typical Properties | Unit | Typical Value |
|----------------------------------|-------------------|-----------------------------|
| Appearance | - | Snow-white free flow powder |
| Mean particle size | µm | 4 to 10 |
| BET surface area | m ² /g | 100 to 400 |
| Pore volume | ml/g | 1 to 2 |
| Loss in weight, at 105°C, 2hr | % | 3 to 6 |
| Loss on ignition, at 1000°C, 2hr | % | 5 to 10 |
| Oil adsorption | g/100g | 100 to 300 |
| SiO ₂ content | % | 99 min |
| pH (5% aqueous suspension) | - | 6.5 to 7.2 |

Grades and Application:

| Grades | Uses |
|--------------------------|---|
| HYSIL – 36 | Anti-blocking agent for high clarity PP, PE and PVC blown and cast films/foils. |
| | For preparation of masterbatches of higher concentrations, giving better dispersion. |
| | Slip control agent when used in combination with slip aids |
| HYSIL – 46 HYSIL – 56 | Used in adhesive paper manufacturing, to enhance absorption, increase clarity and prevents soiling. |
| | Used in rubber compounding, to improve mechanical strength and abrasive resistance, speed up curing / vulcanizing, and give better dispersion of additives and colours. |
| | Used in paint manufacturing, to impart excellent matt finish to paints, prevents settling of pigments on storage and increases surface area covered per unit of paint. |

Packaging:

In 20kg in woven bags with PE lining.

Technical information regarding the composition, properties or use of the product described in this Product Information is believed to be reliable. However, no representation or warranty is made with respect thereto except as made by Planet Asia Pte Ltd in writing at the time of sale.

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