

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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