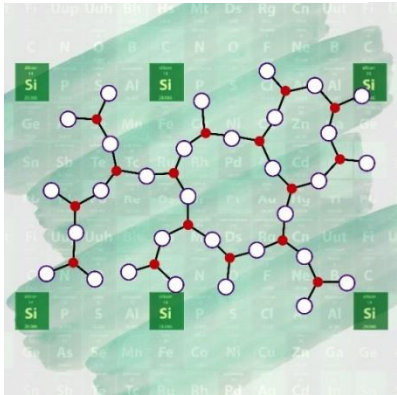




Amorphous Silicon dioxide
FIInternational Number 551/E551

SiLatex



Bio Silica - 100% Green Product
derived from Rice Husk Ash.



Designed to provide heavy duty
industrial grade performance.



Versatile product for various rubbers
formulations.



Rubber Performance Booster

Silatex is engineered to improve strength & durability of rubber products like gaskets, seals, conveyer belts, belts & hoses, shoe soles, engine mounts, gym floors, roofing systems, wire & cable coatings and many more.

It also enhances processing characteristics – faster cure rates, easier mixing, better flow etc.

Increased reinforcing strength & stiffness.

Better Tear & Tensile strength, superior chip & chunk resistance.

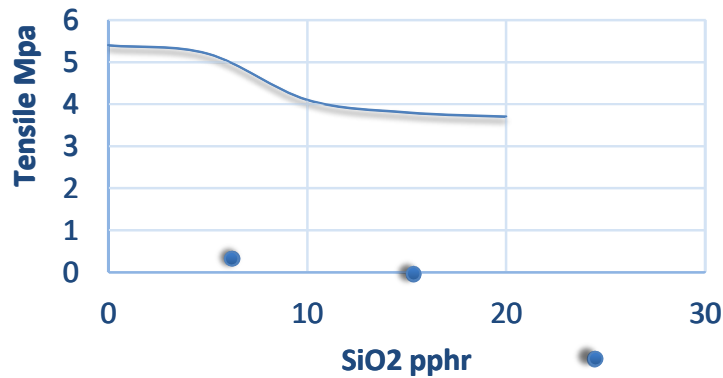
Higher resistance to heat build up & abrasion.

Improve colour retention and translucence.

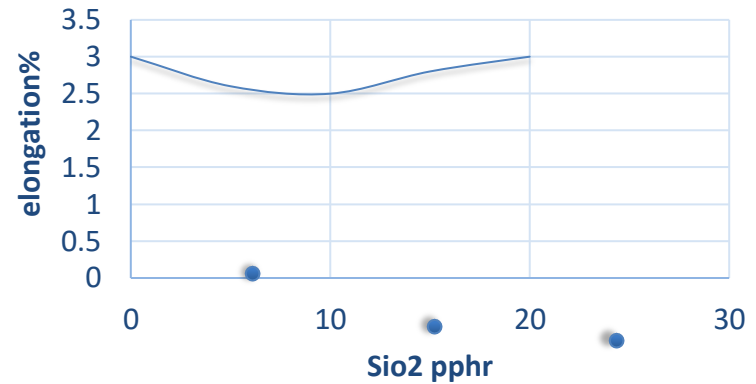


Tensile Strength & Elongation

Effect of SiO₂ addition on Tensile Strength



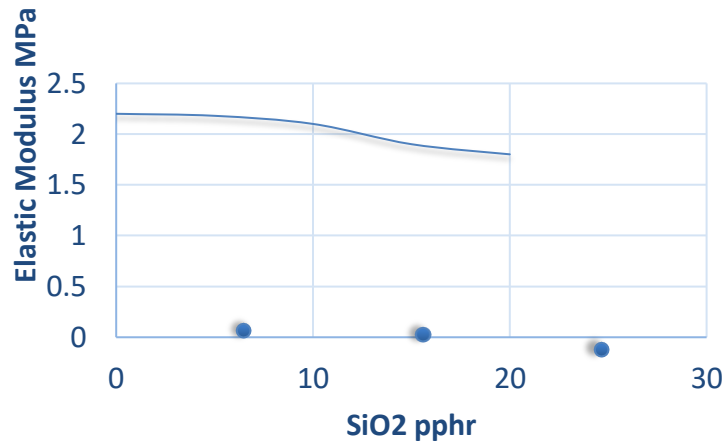
Effect of SiO₂ addition on Elongation



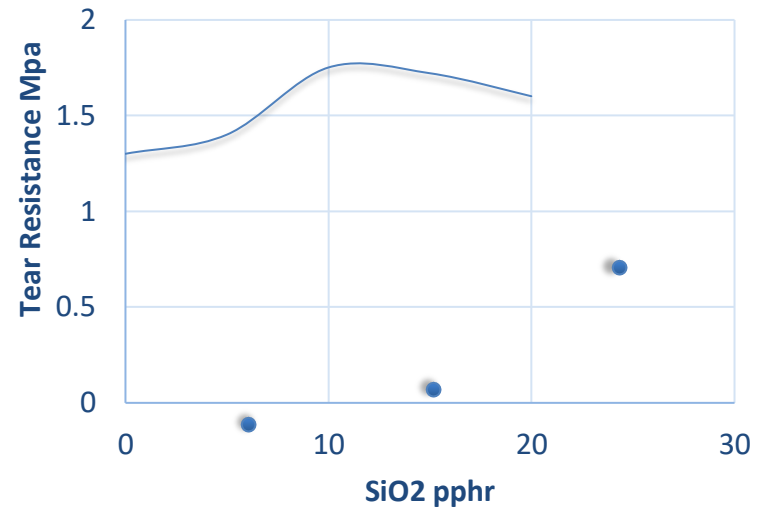


Elastic Modulus & Tear Resistance

Effect of SiO₂ addition on Elastic Modulus



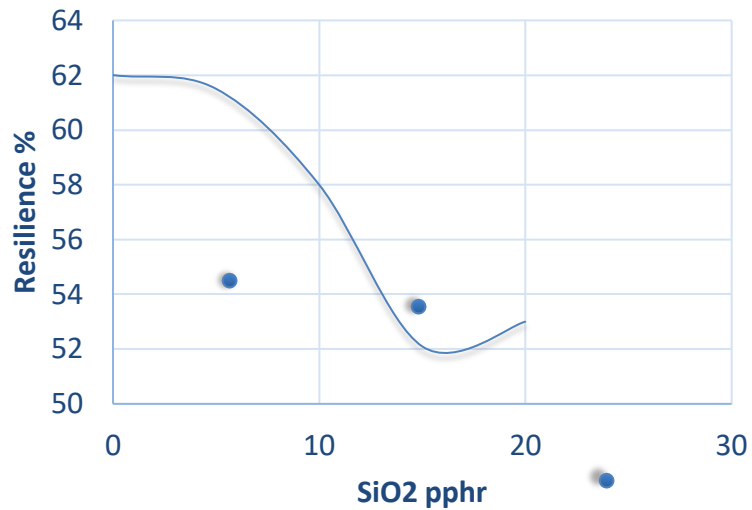
Effect of SiO₂ addition on Tear Resistance



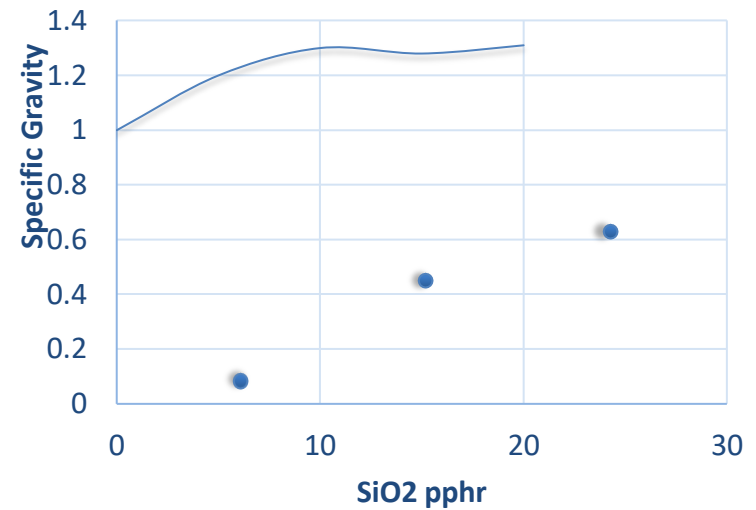


Resilience & Specific Gravity

Effect of SiO₂ Addition on Resilience



Effect of SiO₂ addition on Specific Gravity





General Specification

White, free flowing powder

SiO₂ Content	99.0%
Free Moisture(105°C for 2 Hrs)	6.0%
LOI (1000 °C for 2 Hrs)	6.0%
Bulk Density when Packed (gms/lt)	~170-220
DBT Absorption (+/- 10) ml/100 gm	~240
pH	~5-8
Avg Particle Size (D50) - microns	12-20
BET Surface Area (m²/gm)	165-175
Residue on 325 Mesh (less than)	0.2%
Soluble Salt (NaCl) less than	0.4%
Ferrous Impurities (max ppm)	200
Sulphate, crystalline silica	Nil
Heavy Metal Content (max ppm)	5 ppm



Let's Talk Business

Looking for High Strength Silica fit
for Rubber?

Manufacturers of :

Gaskets & Washers, Shoes / Soles,
Rubber Toys, Industrial Rubber
components, **Tires etc.**

In any rubber product looking to improve
strength, tear resistance and other
properties of the product.



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