

## Surface Treated Wollastonite

Technical Data Sheet  
SZ0325-2022-21 V2

### GreenThinking® WL

**Description:** GreenThinking® WL with surface treatment and activation is refined from selected natural silicone mine of long needle wollastonite by Poweflex company.

#### Applications:

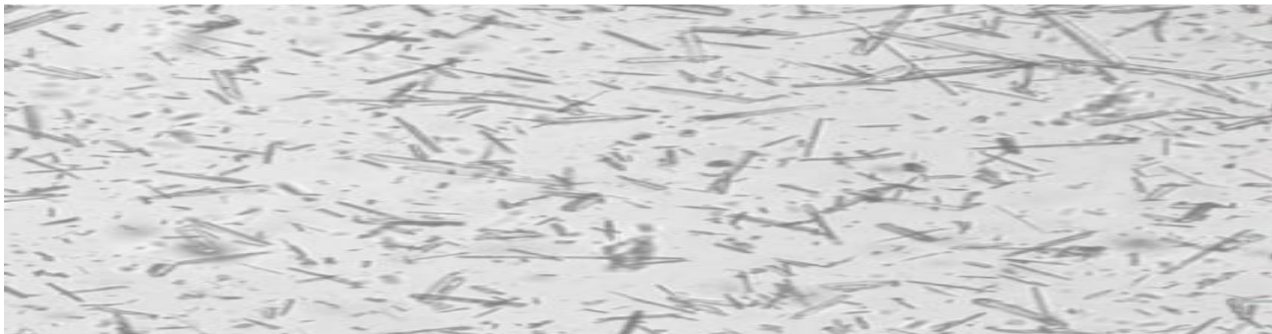
- GreenThinking® WL is wildly used in industries of rubber, functional plastic, coating and friction materials.
- The strict internal quality control process makes GreenThinking® WL have uniform chemical purity and stability of the particle size distribution. Good chemical activity of GreenThinking® WL make it became functional filler in many products.

#### Key benefits:

- Stable chemical composition, high whiteness
- WL series cover all kinds of high quality long needle wollastonite products, unique mineral source, high aspect ratio.
- PH value close to neutral and advanced production technology of special silane treatment makes high coating rate.
- Good tensile strength, good elongation at break, low compression set, good oil resistance, high rebound and other good mechanical properties and good wear resistance in rubber and plastic industry.
- It improves corrosion resistance, chemical inertia, heat resistance, mechanical properties, and reduces cracking and use in industrial coatings,

#### Typical properties:

Item	Porperties	<u>WL720</u>	<u>WL820</u>
Particle size and Physical Properties	Whiteness (%)	91.58	90.98
	Refractive index	1.63	1.63
	BET(m2/g)	0.46	1.06
	Specific Gravity (g/cm³)	2.80	2.80
	Heat Loss (Wt,%)	0.25	0.23
	Oil Absorption (g/100g)	45	55
	PH (10% slurry)	8	7.8
	Median Particle Diameter ((D50) μm) %	8.77	4.40
Chemical Content (%)	SiO <sub>2</sub>	50.23	51.28
	CaO	46.22	45.17
	Fe <sub>2</sub> O <sub>3</sub>	0.24	0.23
	Al <sub>2</sub> O <sub>3</sub>	0.21	0.23
	MgO	0.83	0.85
	LOI	1.68	1.38

**Product electron microscope photo:**

**Packaging:** 20 KG/ Bag, 1000 KG/Pallet.

**Storage and shelf life:**

GreenThinking® WL may be stored in its original unopened packaging at a temperature below 40°C for up to 36 months as from the date of manufacture.

For More Product Information, Please Visit Our Website: [www.sanezen.com](http://www.sanezen.com)

**Contact:**

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