



Skeleton High-Strength Adhesive

Technical Data Sheet

SZ0312-2023-7 V2

GreenThinking® CB10

Description: GreenThinking® CB10 is a novel reactive acrylic metal salt-modified adhesive resin designed for peroxide vulcanization systems. It enhances adhesion between rubber and skeleton materials while improving heat resistance, mechanical properties, wear resistance, and oil resistance.

Application: Tires, hoses, timing belts, V-belts, rollers, damping components, engine mounts, and other scenarios requiring skeleton adhesion and enhanced thermal/mechanical performance.

Featured Performance:

1. **Enhanced Adhesion:** Increases steel cord pull-out force by 35–60% in traditional formulations.
2. **Improved Heat Resistance:** Stabilizes rubber performance at elevated temperatures.
3. **Mechanical Reinforcement:** Forms ionic crosslinks to boost tensile strength, tear resistance, and hardness.
4. **Wear Resistance:** Ideal for high-wear applications like tires and rubber tracks.
5. **Oil Resistance:** Critical for oil seals, hoses, and oil-resistant products.

Typical Physical Data (Typical values are for reference only and not product standards):

Test Item	Unit	Test Result
Appearance	—	Pale yellow powder
Particle Size/Residue (80 Mesh)	%	0.008
Loss on Heating (105°C)	%	0.8

Usage:

- Add CB10 during the initial compounding stage for uniform dispersion. Compatible with most peroxide vulcanization systems.
- Suitable for internal mixers or open mills.

Recommended Dosage:

3–5 phr (per 100 parts of rubber).

Packing: 25KG/bag.

Storage: Store in a dry, cool (25°C), and sealed environment. Shelf life: ~2 years.

For More Product Information, Please Visit Our Website: www.sanezen.com

Contact:

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Important Statement:

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