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HAKUENKA U

Hakuenka U is precipitated calcium carbonate with the particle size of 50nm and cationic surfactant coated on the particle surface.

Hakuenka U activates the rubber curing and shows higher modulus, higher hardness and higher elasticity in rubber products.

Hakuenka U shows better reinforcement in natural rubber with better abrasion resistance and lower heating.→appropriate in the applications of industrial rubber parts, causing the dynamic deformation, like tire, belt, vibration-proof rubber.

Comparison between Hakuenka U & Hakuenka CC in Natural Rubber Formulation.

	Hakuenka U	Hakuenka CC
Press Curing at 141°C(min)	10	20
300% modulus(Mpa)	6.7	4
Hardness	59	50
Rebound Resilience(%)	54	48
HBU(heat build up)Δt(°C)	4.9	7

(Formulation)

RSS#1: 100(phr)

Zinc Oxide: 5

Stearic Acid: 1

Sulfur: 3

Accelerator M: 1

Calcium Carbonate:100