

PRODUCTION SPECIFICATION

NAME: _____ Rock Wool _____

DESCRIPTION:

Rock wool is a friction raw material reinforced fiber, it is an asbestos substitute material, which helps to substantially bring down the cost of asbestos free friction products. Compared with glass fibers and wollastonite, it can reduce brake noise as well as improve the wear resistance.

GRANULARITY (SIEVE ANALYSIS, PARTICLE SIZE)

Length of Fiber (lf):	1-3mm
Diameter of Fiber (df):	4-10 μ m
Length to Diameter Ratio (lf/df):	250-300



APPEARANCE

Shape :	Fiber
Color :	Dark white

PHYSICAL PROPERTIES

Bulk Density (g/cc/cm ³)	2.7
Moisture Rate (%)	≤ 0.6%
Melting point (°C)	1100°C
Hardness (Mohs)	6.0
Loss of Ignition (LOI, %)	Max. 0.1%wt
Surface area (BET) (m ² /g)	0.20m ² /g

CHEMICAL COMPOSITION

Composition	SiO ₂	Al ₂ O ₃	CaO+MgO	FeO	K ₂ O+Na ₂ O	Other
Rate (%wt)	45 - 52	10-17	25 - 43	4.5-8	4.5	6

PACKAGE

20KG/bag, double sheet paper bags, white color

APPLICATION

Nitrile Butadiene Rubber is widely used for Automotive, Commercial Vehicle, Motorcycles, Trailers brake pads and brake linings, and Braking Elements Industrial Equipment, etc.