

KES

Test Standard for Sulfur
Powder for Rubber

KES T – L422

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1. Scope of Application

This standard shall specify the sulfur powder for rubber (Sulfur powder hereinafter) used for vulcanization material of rubber.

2. Kinds

The sulfur powder is classified into following two kinds by fineness.

1st kind

2nd kind

3. Quality

The sulfur powder is white powder with light yellow color, its particle structure is made of crystal materials, and it is tested by **5. Test Method** as well as shall satisfy specifications in Table 1.

Table 1

Test Item	1 st kind	2 nd kind
Amount of acid (As sulfuric acid) %	Less than 0.02	Less than 0.03
Amount of acid %	Less than 0.1	Less than 0.1
Amount of humidity %	Less than 0.5	Less than 0.5
Amount of remaining body %	All pass at 149 μm Less than 0.5 at 74 μm	Less than 0.01 At 149 μm
Discarded amount of carbon sulfide	Less than 0.5	Less than 0.5

4. Sample Obtainment Method

Take out a few containers randomly from a container of 1 lot of sulfur powder, obtain more than 200g each, and produce 1st sample. After gathering these and mixing, axially separate using a cone-axial 4dividing method or a axial separator and produce 2nd sample of about 550g.

Seal up this representative sample into a sealed-up container and offer for the test.