

KES

Testing Method of
Rubber Packing for
Automobile Oil Filters

KES T – I821

(EST.) 1989 – 12 – 30

Contents

1. Scope of Application
 2. Types
 3. Rubber Packing Material
 4. Testing Method
- Addition Rule

1. Scope of Application

This standard determines whole body flowing type one-time-use oil filter whose case's outside diameter is 95 mm, that is used for gasoline engine (We shall call it filter from now on).

2. Types

It shall be classified by the testing fluid amount, and it shall be as table 1.

Table 1 : Types

Types	Testing fluid amount (ℓ / min)
1	10
2	15

3. Rubber Packing Material

It shall be as table 2.

Table 2 : Rubber for packing

Items		Regulations	Testing method
Test at the room temperature	Hardness Tensional strength {kg / cm ² (Mpa)} minimum Elongation (%) Minimum	70 ± 5 {80 (7.8453)} 200	Accord to 4.2
Aging test	Hardness maximum Changing ratio of tensional strength (%) maximum Changing ratio of elongation (%) maximum	+10 -15 -45	Accord to 4.3
Test for permanent shape change by compression	Permanent shape change by compression in heated air (%) maximum	40	Accord to 4.4