

KES

**Testing Method of Gasoline
Permeability for Fuel
Resistance Rubber Hose**

KES T – L245

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1. Scope of application

This standard shall specify the hose of which permeability for automotive fuel (Gasoline, called 'hose' hereinafter) is reduced.

2. Type and structure

Type and structure of hose shall follow the table 1.

Table 1

Type	Symbol of material	Structure	Basic performance (Quality)
1 st class	R – BG607 – Y116 ⁽¹⁾	Single rubber	Y 111
2 nd class	R – BG710 – Y117	Two-story structure of inner rubber and outer rubber	Y 122
3 rd class	R – BG710 – Y118	Three-story structure of inner rubber, supplementary one, and outer rubber	Y 113

Note (1) : Nominal hardness of basic performance (Quality) shall be 65 ± 5.

3. Permeable properties

Permeable properties of the hose for gasoline shall follow the table 2.

Table 2

Number (Inner diameter)	Norm			Testing method	Filled amount of flow (mℓ)
	1 st class	2 nd class	3 rd class		
4 (3.7)		Less than 0.13		Method C	60
5 (4.0)			Less than 0.16		
6 (5.8)		Less than 0.13	Less than 0.17		
8 (6.9)		Less than 0.15	Less than 0.18		
14 (13.3)		Less than 0.13	-	Method B	200
Ø 47 × 5 t	Less than 0.27			Method A	