



Thermal Expansion Rubber Seal

-for minimizing the spread of fire for houses & buildings

Before heat exposure



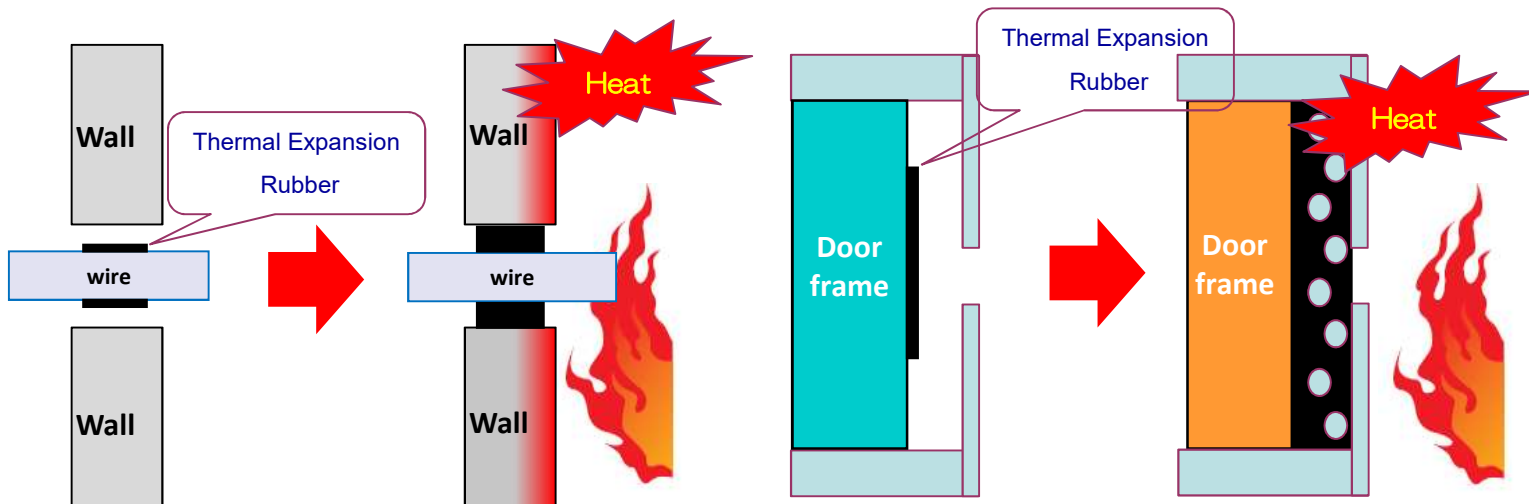
After expansion



Usage

※5-min heat exposure 400°C 10mm test slab

Thermal expansion rubber starts to expand to fill the gap & creating the pathway w/heat of fire. Used for window frames, doors, gas plumbing, exterior wall panels

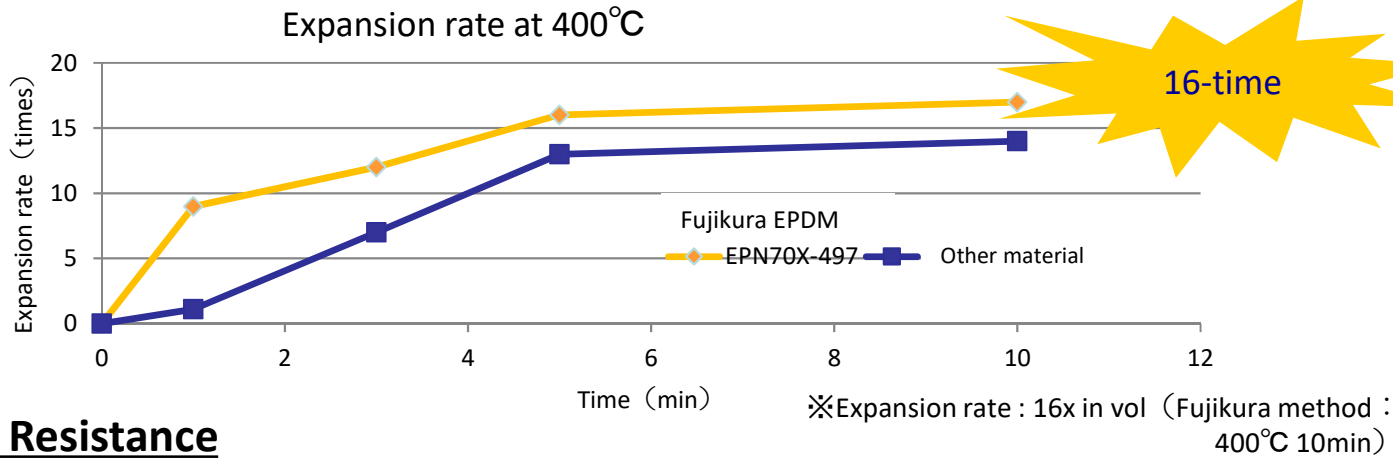


Features

- Custom compound available to meet your usage/needs.
(expansion rate, trigger temp for expansion, weather/water/oil resistance, low-temp etc)
- Custom made for shape & geometries (sheets, tape, molded etc)
- Can be used as precision molded seals/gasket at normal conditions

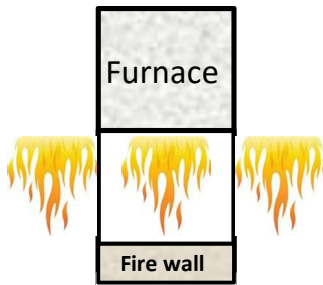
Data

Expansion rate

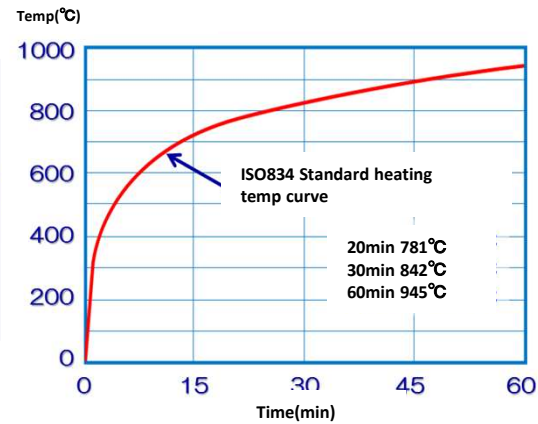
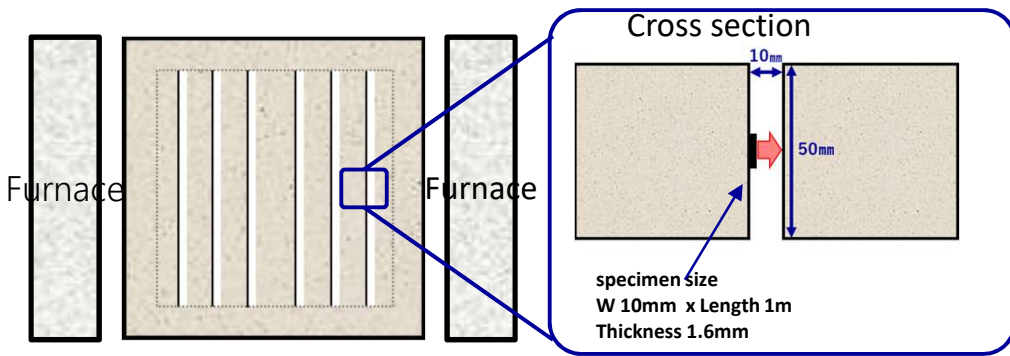


Flame Resistance

Heat test in accordance with ISO834 standards heat curve
 Test specimen : Comparing Fujikura thermal expansion rubber seal & other material for same use in the market



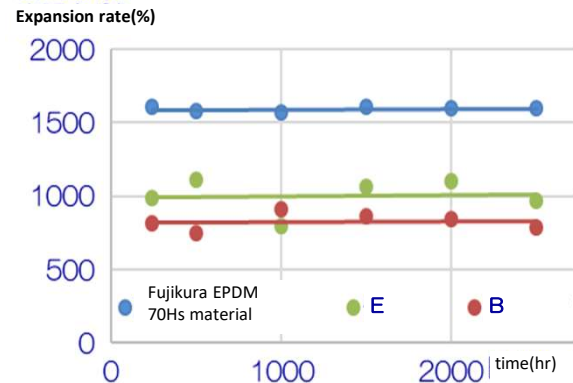
- 【Judging standards】
- no flame & fume penetration in 10sec
 - no damage, cracks, generating pathway



Expansion rate in case of long storage

Long-term performance test		Other Company material B	Other Company material E	Fujikura EPDM 70Hs material
	Hr			
Expansion rate(%) At temperature & humidity 80°C×85%	240	813	985	1605
	500	752	1108	1580
	1000	916	798	1568
	1500	865	1065	1611
	2000	842	1102	1600
	2500	783	967	1598

※Expansion test 600°C×20min



For more information contact us from our website. Please search by QR code or thermal expansion rubber

