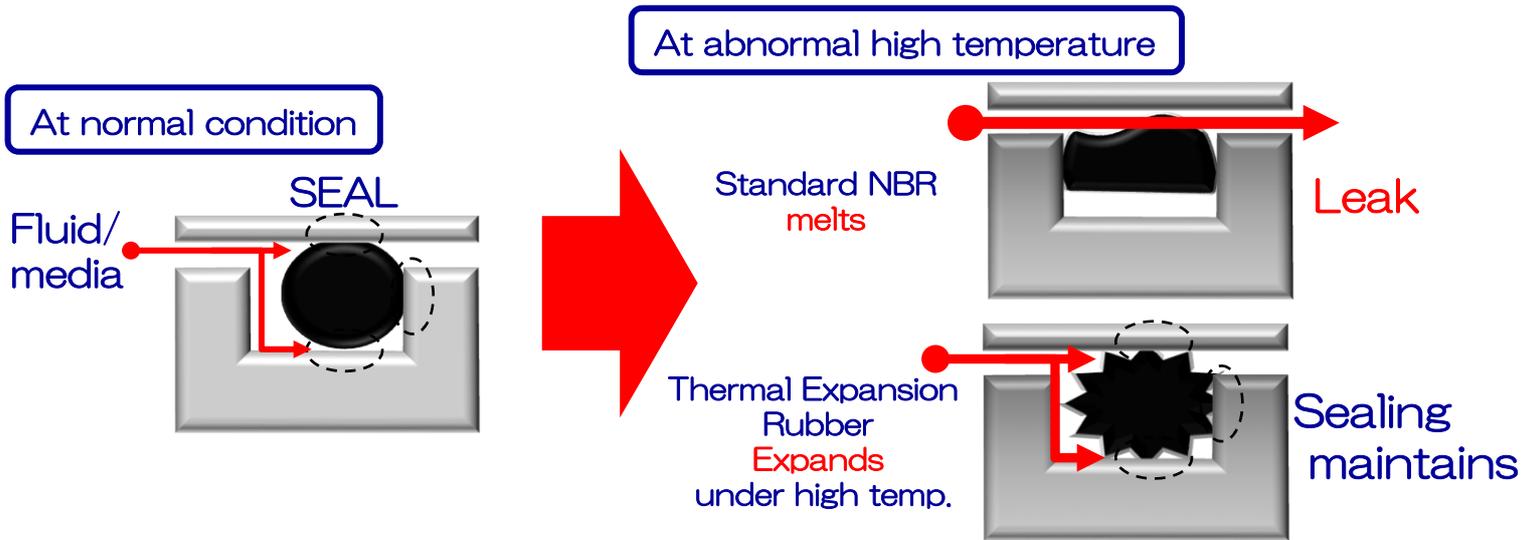




Seals even when Fire !

## Thermal Expansion Rubber Gasket

-Seals as a gasket at normal condition and also limits the fume in emergencies-

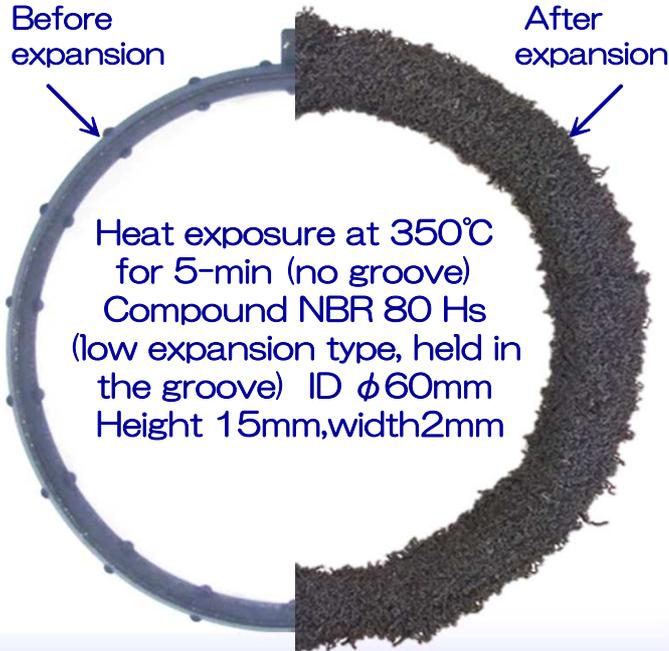


Usable as seal & gasket under normal condition.

While standard compounds under abnormal high-temp situation rubber sealing melts, **Our compound blocks the flow-path & sealing will maintain at high-temp for a given time utilizing the thermal expansion property.**

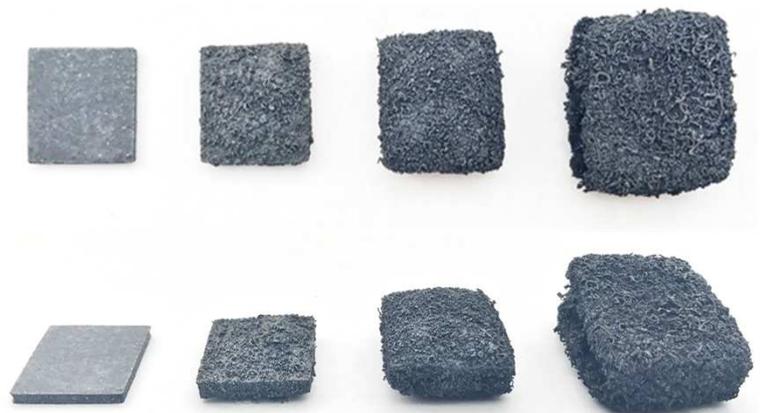
### Thermal expansion rubber gasket

Before expansion      After expansion



### Test slab of Thermal Expansion Rubber

Before expansion	300°C	350°C	400°C
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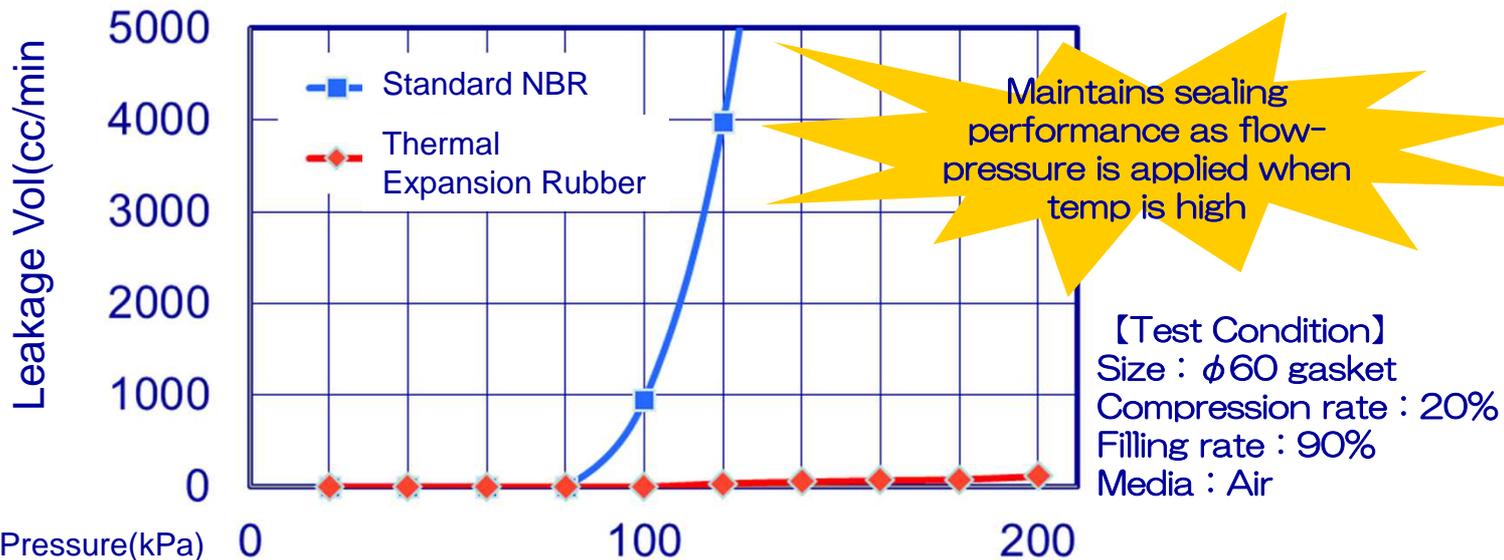


※Test slab after heat exposure for 5-min at each temp.



# FUJIKURA COMPOSITES

## ◎ Leak test data at 500°C



## ◎Features

- **Custom compound available** to meet your usage/needs !

(ex: expansion rate, temp setting to start expansion, weather/water/oil resistance, low-temp properties)

- **Custom made for shape & geometries** (sheets, tape, molded etc)
- **Can be used as general seal** by its rubber properties at normal conditions !
- **Easy to manipulate** with general tool as rubber material. !

## ◎Material Properties

Test items	UNIT	Standard NBR	NN80X-110	Test method
Strength	(MPa)	15.7	10.7	JIS K 6251
Stretch	(%)	570	380	JIS K 6251
Hardness	(DuroA)	68	79	JIS K 6253
Compression set	(%)	9	16	JIS K 6262 (70°C × 24hr)
Expansion rate	(times)	-	10	Fujikura method
Gas Resistance	(%)	-2	-1	JIS K 6258 (Weight change rate)
Oxygen index	(%)	20	27	JIS K 7201

※Gas Resistance:n-pentane for 72-hr-soak at RT & left in the RT for 24hr

※The data shown above are actual data but not guaranteed data

For more information contact us from our website. Please search by QR code or thermal expansion rubber  
 RDTR07-0118 20150703



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