

NBR Sheet

Acrylonitrile Butadiene Rubber Sheet

Features

- Excels in oil resistance.

Applications

- Packing material for fuel.

■ Properties : Black NBR Sheet

Properties Item Name	General Properties			Heat-Resistant Aging 100°C × 72h			Oil Resistance 100°C × 72h		Compression Set 100°C × 72h %	Elastic Modulus in Static Shear Mpa	JIS K 6380 Corresponding No.	Item Number	
	Hardness Type A	Tensile Strength at Break MPa (kgf/cm ²)	Elongation at Break %	Hardness Change Type A	Change Rate of Tensile Strength %	Change Rate of Elongation at Break %	Volume Change Rate %						
							ASTM #1	IRM 903					
NBR Sheet -L	<50>	51 (50)	8.1 {83}	550	+ 11	+ 3	- 34	- 8	+ 34	62		BEH50361	TNKL5005
	<60>	60 (59)	9.4 {96}	560	+ 11	- 15	- 44	- 7	+ 32	75		BEH60351	TNKL6005
	<70>	70 (67)	12.2 {124}	550	+ 6	+ 2	- 43	- 13	0	67	1.15	BFH70341	TNKL7007
	<80>	82 (77)	8.4 {86}	420	+ 6	+ 12	- 35	- 7	+ 15	55		BFH80121	TNKL8005
	<90>	90 (87)	8.6 {88}	360	+ 3	+ 18	- 6	- 4	+ 5	55	1.48	BFH90321	TNKL9007
NBR Sheet -M	<30>	33 (27)	10.8 {110}	1030	+ 5	- 9	- 16	- 14	+ 15	44		BEH30371	TNKM3007
	<40>	41 (37)	12.7 {129}	800	+ 5	- 40	- 20	- 15	+ 10	55		BFH40471	TNKM4010
	<50>	53 (48)	12.2 {124}	710	+ 6	+ 4	- 43	- 19	+ 1	73		BFH50471	TNKM5010
	<60>	61 (58)	10.8 {110}	570	+ 7	- 5	- 30	- 9	+ 8	55		BFH60461	TNKM6010
NBR Sheet -H	<50>	52 (51)	14.6 {149}	610	+ 8	- 15	- 29	- 8	+ 21	27		BEH50471	TNKH5012
	<60>	60 (56)	11.3 {115}	430	+ 6	0	- 25	- 10	- 2	52		BGH60461	TNKH6010
	<70>	71 (70)	16.1 {164}	410	+ 7	- 5	- 34	- 6	+ 4	31		BGH70451	TNKH7012
	<90>	90 (84)	17.8 {182}	280	+ 5	+ 6	- 39	- 5	+ 9	56		BGH90421	TNKH9015
Transformer NBR	<70>	70 (65)	17.9 {183}	470	+ 4	+ 4	- 20	- 19	+ 15	20		BGH70551	TNKH7015

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■ Properties : Colored NBR Sheet

Properties Item Name	General Properties			Heat-Resistant Aging 100°C × 72h			Oil Resistance 100°C × 72h		Compression Set 100°C × 24h %	Elastic Modulus in Static Shear Mpa	JIS K 6380 Corresponding No.	Item Number	
	Hardness Type A	Tensile Strength at Break MPa (kgf/cm ²)	Elongation at Break %	Hardness Change Type A	Change Rate of Tensile Strength %	Change Rate of Elongation at Break %	Volume Change Rate %						
							ASTM #1	IRM 903					
White NBR Sheet -L	<50>	50 (47)	11.1 {113}	690	+ 2	- 27	- 21	- 4	+ 31	30		BEH50360	TNWL5005
	<65>	65 (63)	8.9 {91}	710	+ 2	- 23	- 17	+ 3	+ 36	25	0.84	BEH65350	TNWL6507

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■ Properties : Weather Resistant NBR Sheet

Properties Item Name	General Properties			Heat-Resistant Aging 100°C × 72h			Oil Resistance 100°C × 72h		Compression Set 100°C × 72h %	JIS K 6380 Corresponding No.	Item Number
	Hardness Type A	Tensile Strength at Break MPa (kgf/cm ²)	Elongation at Break %	Hardness Change Type A	Change Rate of Tensile Strength %	Change Rate of Elongation at Break %	Volume Change Rate %				
							ASTM #1	IRM 903			
TNB6007-O	59 (56)	9.6 {98}	510	+ 4	+ 3	- 21	- 10	+ 9	45	BFH60331	TNKM6007-O
TNB9007-O	90 (81)	9.9 {101}	400	+ 3	+ 16	- 35	- 2	+ 17	59	BFH90321	TNKM9007-O

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■ Properties : Gasoline Resistant Rubber Sheet

Properties Item Name	General Properties			Heat-Resistant Aging 100°C × 72h			Oil Resistance		Compression Set 100°C × 72h %	JIS K 6380 Corresponding No.	Item Number	
	Hardness Type A	Tensile Strength at Break MPa (kgf/cm ²)	Elongation at Break %	Hardness Change Type A	Change Rate of Tensile Strength %	Change Rate of Elongation at Break %	25°C×72h	100°C×72h				
							Volume Change Rate %					
							ASTM #1	IRM 903				
NBR-G	<70>	73 (71)	18.2 {186}	280	+ 7	- 3	- 40	+ 9	- 2	34	BGH70451	TNKL7010-E

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- These items highlighted in this color are our standard products.



- These products should not be incinerated wherever possible because harmful gas to humans might be generated if they are immoderately burned.
- The user is requested to confirm degree of discoloration and contamination beforehand by using sample in the case of use contacting with the other items.
- The life of these products at actual use are greatly affected by condition of the use. The user is requested to confirm it by using sample in the case of use under severe condition.