

Fabric for Flexible JOINTS/HOSES

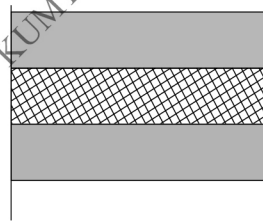
HN-Flex 10-130 and HH-Flex 6-70 fabric is designed exclusive for expansion joints and or flexible hoses requiring high tensile strength, elongation, and good resistance against ozone, abrasion, flexing, chemicals. By its specially formulated surface polymer compound, HN-Flex 10-130 and HH-Flex 6-70 has been successfully used in many applications such as duct-chute-joint where powder-contained flow medium and frequent movements had caused pre-mature failure of joints made of other materials.

Application: Elastomer bellows, flexible hoses, chutes

Item	HN-Flex 10-130			HH-Flex 6-70		
	Nominal Value	Tolerance	Standard	Nominal Value	Tolerance	Standard
Weight, g/m2	1300	+/-100	ASTM D4851	695	+/-40	JIS K 6772
Thickness, mm	1.0	+/-0.05	ASTM D751-73	0.65	+/-0.05	JIS K 6772
Tear Strength, kg, Warp x Fill	12 x 12	+1/-0 x +1/-0	ASTM D4851	7.5 x 8.5	+/-0.5 x +/-0.5	JIS K 6772
Tensile Strength, kg/30mm, Warp x Fill	160 x 140	+10/-0 x +10/-0	ASTM D4851	100 x 80	+10/-0 x +10/-0	JIS K 6772
Adhesion, kg/30mm	8	+1/-0	ASTM D4851	8	+1/-0	JIS K 6772
Working Temp. °C	-40 to 120			-40 to 120		
Intermittent Operating Temp, °C	170			170		
Air-tightness, kg/m ²	1+			0.5+		
Color	Light gray/black			Black		

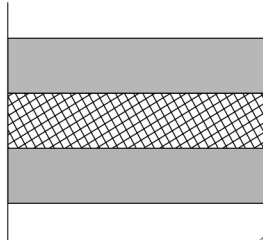
Resistance Against	
H2SO4 < 50% concentration	A
HCL < 20% concentration	B
NAOH	A
Solvent	B
Oil	A
Abrasion	A
Flexing	A
Ozone	A
Oxidation	A
Sunlight	A

Material Cross-section HN-Flex 10-130



Elastomer N (white/Light gray)
Polyester 1100Dtex
Elastomer H (black)

Material Cross-section HH-Flex 6-70



Gas side Elastomer H (Black)
Polyester 450Dtex
Back side Elastomer H (Black)

Your Solution for Expansion Since 1989 !

Thermotech cannot predict all of the potential applications for which customers may attempt to use our products. Our products will have varying degrees of effectiveness for each potential application depending on the maximum temperature attained the length of use, and the amount of temperature fluctuation. If the customer has any questions regarding the use of our products in a particular application, please contact Thermotech and we will provide a sample for testing.

This product is not warranted against injuries or damages of any kind caused by uses for which this product was not designed, intended, or tested by Thermotech.