



NABELL USA CORPORATION
 208 Charter St
 Albemarle, North Carolina 28001

Phone: +1-704-986-2455
 Fax: +1-704-986-2456

MATERIAL SPECIFICATION

Document No. NQC-BP-22-004
 Issued: 2022/9/16

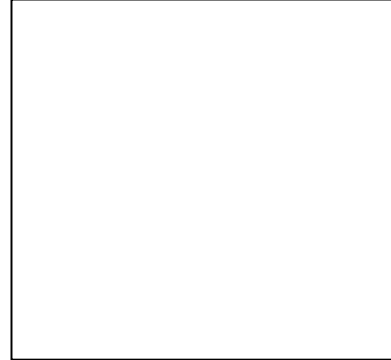
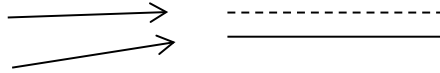
MATERIAL

NRF-4

NABELL MATERIAL NUMBER:

Surface: Silicon
 Base: Aramid

< CONSTRUCTION >



ITEM	VALUE	UNIT	REMARKS
COLOR	Black		
WIDTH [mm]	1,460	[mm]	
LENGTH [m]	30	[m]	
THICKNESS [mm]	1.0	[mm]	
WEIGHT [g/m ²]	750	[g/m ²]	
TEAR STRENGTH (warp / weft)	≥ 50/≥ 80	[N]	NF EN ISO 4674-2
TENSILE STRENGTH (warp/ weft)	≥ 600/≥ 500	[N]	NF EN ISO 1421-1
ELONGATION (warp / weft)	≤ 125/≤ 125	[%]	NF EN ISO 1421-1
HEAT RESISTANCE	–	[°C]	
COLD RESISTANCE	–	[°C]	
CHEMICAL RESISTANCE	Resistant to nitric acid, hydrochloric acid, ammonia, skydrol, solvent type Ethyl Methyl Carbonate, alcohol, and gas oil Not resistant to concentration of 30% or more in the aqueous solution of sodium hydroxide		Soaked for 365 days at room temperature 20°C The judgment is there is no deterioration visually
WEATHER RESISTANCE	–		
FIRE RESISTANCE	I3		NF EN ISO 15025

Applicable: Robot-Flex Machine tool

Note: Oilproof and coolant resistance

***These Data are provided as general information only. They are approximate values only.
 The information under Notes has been gathered from experience and then averaged.*