

K-Factors of K-Flex NBR/PVC at Mean Temperatures Specified by CA Title 24, Part 12, Table 120.3-A

Table 120.3-A of CA Title 24 Part 12 requires that insulation K-factors be adjusted based on the operating temperature ranges of the fluid temperatures of the piping systems to be insulated. The K-values for the operating temperature ranges applicable to K-Flex Insul-Tube, Insul-Sheet and Insul-Lock DS are listed in the table below. K-Flex insulation K-factors meet the requirements specified in Table 120.3-A for all temperature ranges applicable to our products.

Fluid Temp. Range, °F	Conductivity Range, Btu-inch-hour-ft ² -°F	Mean Temp., °F	K-Flex Insulation K-Factor*
> 350	0.32 – 0.34	250	NA
251 – 350	0.29 – 0.32	200	NA
201 – 250	0.27 – 0.30	150	0.283**
141 – 200	0.25 – 0.29	125	0.274
105 – 140	0.22 – 0.28	100	0.265
40 – 60	0.21 – 0.27	75	0.242***
< 40	0.20 – 0.26	50	0.244

*Equation: $Y = 2803 (X) - 643.5$ where X = K-Factor (BTU-inch-hour-ft²-°F) and Y = Temperature (°F)

**Max. temperature limit for K-Flex Insul-Tube / Sheet is 220°F

***Actual test data point