Product Information

Temperature Dependency for $C_1$ and $\tan \delta$ for Resin Impregnated Paper Bushings

When measuring $C_1$ and $\tan \delta (C_1)$ it is important to compensate for the ambient temperature since bushings made of Resin Impregnated Paper show a significant temperature dependency for $C_1$ and $\tan \delta$. In order to adjust values for $C_1$ and $\tan \delta$, measured at temperatures deviating from 23 °C, to normal temperature the diagram for $C_1$ and $\tan \delta$ respectively should be used. The formula in respective diagram can be used as well. The scatter should be taken into consideration when using this information.

Normalized temperature dependency for $\tan \delta=f(t)$ at normal temperature of 23 °C

![Graph showing temperature dependency for $\tan \delta$]

Normalized temperature dependency for $C_1=f(t)$ at normal temperature of 23 °C

![Graph showing temperature dependency for $C_1$]