

**TABLE 3.** FR-4 base material properties.

<b>PRODUCT</b>	<b>DESCRIPTION</b>	<b>GLASS TRANSITION TEMP., °C</b>	<b>DECOMPOSITION TEMP., °C</b>	<b>% EXPANSION, 50-260°C (40% RESIN CONTENT)</b>
A	Conventional 140°C Tg FR-4	140	320	4.2
B	Improved Mid-Tg FR-4	150	335	3.4
C	Conventional High-Tg FR-4	175	310	3.5
D	Improved High-Tg FR-4	175	335	2.8