

# Taconic Base Material Overview

	<b>TLY</b> (also: 605)	<b>TLX / TLT</b> (also: 601, 602)	<b>TLE-95</b>	<b>TLC</b>	<b>RF-30</b>	<b>RF-35 / RF-35P</b>	<b>RF-60</b>	<b>CER-10</b>
<b>DK @ 10 GHz</b>	2.17-2.33 (+/- 0.02)	2.40-2.60 (+/- 0.04)	2.95 (+/- 0.05)	2.70, 3.00, 3.20 (+/- 0.05)	3.0 (+/- 0.1)	3.50 (+/- 0.1)	6.15 (+/- 0.25)	10.0 (+/- 0.5)
<b>Df @ 10 GHz</b>	0.0009	0.0019 (TLT: 0.006 @ 1 MHz)	0.0028	0.0029	0.0014 (@ 1.9 GHz)	0.0025 (0.0018 @ 1.9 GHz) (RF-35P: 0.0033 @ 10 GHz)	0.0028	0.0035
<b>Peel Strength (1 oz ED copper)</b>	12 lbs/in	12 lbs/in	12 lbs/in	12 lbs/in	10-12 lbs/in	10 lbs/in	8 lbs/in	8 lbs/in
<b>Moisture Absorption</b>	< 0.02 %	< 0.02 %	< 0.02 %	< 0.02 %	< 0.02 %	< 0.02 %	< 0.02 %	0.02 %
<b>CTE in Z axis (linear to ~ 350 °C)</b>	280 ppm/°C	130-145 ppm/°C	70 ppm/°C	70 ppm/°C	125 ppm/°C	64 ppm/°C (RF-35P: 110)	75 ppm/°C	46 ppm/°C
<b>CTE in X/Y axis</b>	20 ppm / °C	9-12 ppm/°C	9-12 ppm/°C	9-12 ppm/°C	11-21 ppm/°C	19-24 ppm/°C	11-13 ppm/°C	13-15 ppm/°C
<b>UL Rating TIR</b>	V-0 105°C	V-0 105	V-0 105	V-0 105	V-0	V-0 105	V-0	V-0