



## PHENOLIC FIBERGLASS LAMINATES

5001 Rondo Drive Suite 150 Forth Worth, TX 76106

601-774-9900

[www.durasip.com](http://www.durasip.com)

Typical Properties of DuraSip Laminates (Nominal Values)			
Properties*	DS-2400	DS-2408	DS-2415
Color	Light Pink to Dark Orange		
Thickness (in) mm	(0.028) 0.7	(.041) 1.04	(0.055) 1.4
Weight (lb/ft <sup>2</sup> ) kg/m <sup>2</sup>	(0.25) 1.24	(0.37) 1.81	(0.42) 2.07
Tensile Strength (psi) Mpa	(45,000) 310	(43,000) 297	(42,000) 289
Laminate Modulus (msi) Gpa	(3.1) 21.3	(2.6) 17.9	(2.4) 16.5
Compressive Strength (psi) Mpa	(37,000) 255	(34,000) 234	(33,000) 227
Flammability ASTM-E84 (flame/smoke)	5/5	5/5	5/5
Flammability ASTM-E162	0.9	0.9	0.9
Smoke ASTM-E662 (@ Ds = 1.5 min)	0.6	0.6	0.6
Thermal Conductivity (W/mK)	0.20 - 0.24	0.20 - 0.24	0.20 - 0.24
CTE (in/in/F) cm/cm/C	(5.6x10 <sup>-6</sup> ) 10x10 <sup>-6</sup>	(5.6x10 <sup>-6</sup> ) 10x10 <sup>-6</sup>	(5.6x10 <sup>-6</sup> ) 10x10 <sup>-6</sup>
Service Temperature (F) C	(300) 149	(300) 149	(300) 149
Dielectric Constant	6	6	6
Minimum bend radius (in) cm**	(5) 13	(8) 20	(9) 23

\* Properties are based on data from material suppliers, independent tests and DuraSip

\*\* Laminates have memory and will return to flat if coiled