

Durostone[®] PCB Solder Pallet Materials – Technical Data By Grade



Technical Data	CHP760	CAS761	CAG762	CFR767
Grade	Standard	Anti-Static	Anti-Static Optical	Flux Resistant
Color	Blue	Black	Grey	Black
Density (g/cm ³)	1.9	1.80	1.80	1.80
Flexural Strength at 23°C - 3 point support \perp (MPa)	360	360	360	380
Flexural Strength at 150°C - 3 point support \perp (MPa)	180	180	180	260
Flexural Strength at 185°C - 3 point support \perp (MPa)	-	-	-	150
Modulus of Elasticity at 23°C (Mpa)	18000	18000	18000	18000
Modulus of Elasticity at 150°C (Mpa)	9000	9000	9000	14000
Modulus of Elasticity at 185°C (Mpa)	-	-	-	10000
Water Absorption (%)	<0.2	<0.2	<0.2	<0.20
Coefficient of Linear Expansion (10 ⁻⁶ /K) between 30°C & 200°C	13	11	11	11
Thermal Conductivity (W/m ² K)	0.25	0.25	0.25	0.23
Maximum Operating Temperature (°C), 10 - 20 seconds	300	300	300	380
Standard Operating Temperature (°C)	260	260	260	300
Surface Resistivity (ohms)	-	10⁹ - 10⁸	10⁹ - 10⁸	10⁹ - 10⁸
Chemical Resistance	Good	Good	Good	Excellent
Sheet Size (mm)	1220mm x 2440mm (48" x 96")			
Thickness' available (mm)	3, 4, 5, 6, 8, 10, 12			5, 6, 8, 10
Thickness Tolerance	± 0.10			
Flatness Tolerance (for a panel size of 300 x 300)	0.20			
Parallelism	0.10			

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