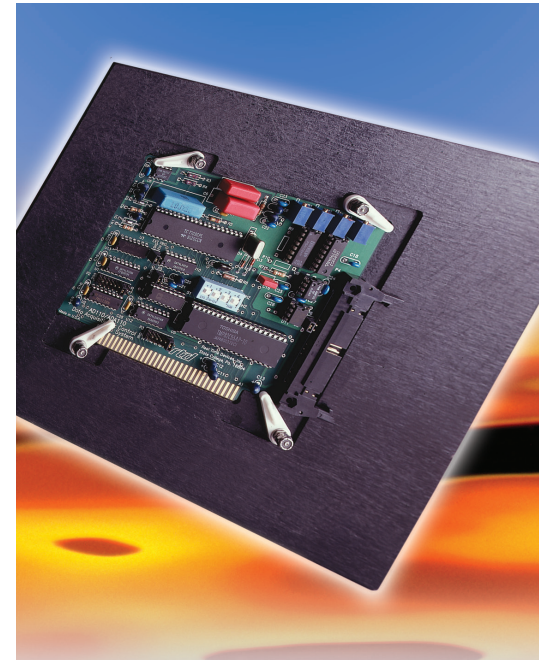




SolderSurfer™ PCB Pallet Material

	Procedure	AgS 508
General Information		
Standard Color	–	Black
ESD Safe	–	Yes
Chemical Resistance	–	Excellent
Mechanical Properties		
Flexural Strength in Psi (Mpa)* @77°F (25°C) @302°F (150°C) @392°F (200°C)	ASTM D 790	55,000 (379) 32,000 (220) 14,000 (96)
Flexural Modulus in Psi 1 x 10 ⁶ (Mpa) @77°F (25°C) @302°F (150°C) @392°F (200°C)	ASTM D 790	2.60 (18,000) 1.80 (12,000) 1.10 (7,500)
Laminar Shear at 25°C in Psi (MPa)		8,000 (55)
Barcol Hardness	ASTM D 2583	69
Water Absorption in % by weight	ASTM D 570	< 0.2%
Specific Gravity	ASTM D 792	1.85
Electrical Properties		
Surface Resistivity (ohms/square)	ASTM D 4496	10 ⁵ –10 ⁹
Volume Resistivity (ohms/square)	ASTM D 4496	10 ⁵ –10 ⁹
Flame Resistance Properties		
UL Subject 94	UL 94	HB
Thermal Properties		
Coefficient of Thermal Expansion (para.) K ⁻¹	ASTM D 696	± 7.1 x 10 ⁻⁶
Coefficient of Thermal Expansion (perp.) K ⁻¹	ASTM D 696	± 20.5 x 10 ⁻⁶
Thermal Conductivity in BTU*In/Hr*Ft**°F (W/m*K)	ASTM C 177	2.0 (.31)
Glass Transition Temperature T _g , in °F (°C), DMA test	ASTM E 1356	293°F (145°C)
Thermal Decomposition Temperature in °F (C°) @1% loss @5% loss @10% loss	ASTM E 1641	591°F (311°C) 732°F (389°C) 772°F (411°C)
Maximum Surface Operating Temp. in °F (C°)	–	572°F (300°C)
Sheet Size in inches (mm)	†48 x 96 (1219 x 2438)	
Thickness Available (mm)		3, 4, 5, 6, 8, 10, 12
Thickness Tolerance in inches (mm)		± 0.004 (± 0.1)



* - Average of typical L.W. and C.W. values.

† - Actual, as pressed size is 49.5" x 96.5" (1257 x 2451 mm).

All - Typical values, after post-baking

-The above values are measured averages and not guaranteed.

-Performance of Röchling Glastic's SolderSurfer™ will vary depending on the process parameters being used.

-We recommend that the pallets are periodically cleaned to achieve the best performance. Refer to technical bulletin #1.

Note: Additional Flexural testing, with the specimens conditioned at 302°F, was completed. The specimens were conditioned for one, three and five hours, with no notable reduction in strength.

‡ - Anticipated (in testing)

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Printed in USA GL-1049 0713

