MATERIALS COMPARISON INFORMATION

	Von Roll Durapol 68.910	Rochling Durostone CAS761	Von Roll Delmat CDM-ESM 68.610	Von Roll Grey CDM 68.940	Electrolock-XP	Haysite H261	
Description	Value	Value	Value	Value	Value	Value	Units
Color	RAL 9005 Jet Black	Black	Black	Grey	Granite Grey	Black	N/A
Anti-Static	Yes	Yes	Yes	Yes	Yes	Yes	N/A
Density	1.8-1.9	1.85	1.85	1.9	1.72	1.7	g/cm³
Flexural Strength (ambient)	350 MPa	360 MPa	N/A	350 MPa	55,000 PSI	43000 PSI	Varying units
Flexural Strength (temp)	180 (130°C) MPa	N/A	N/A	200 MPa	NA	34,000 PSI	Varying units
Impact Strength	180 kJ/m² (Charpy)	N/A	N/A	N/A	NA	N/A	Varying units
Water Absorption	<0.18	<0.20	<0.20	<0.10	<0.20	<0.25	%
Coefficient of Linear Expansion	15 (ppm/K) (parallel)60-70 (ppm/K)(perp)	11 (no indication of direction)	64 (perpendicular)	10.10E-6 (parallel)	NA	N/A	10-6/°K
Thermal Conductivity	0.3	0.25	0.3	0.3	NA	N/A	W/m°K
Maximum Operating Temperature	350 (10 sec)	350 (10-20 sec)	N/A	N/A	N/A	N/A	°C
Service Operating Temperature	260	260	300	300	275	300	°C
Surface Resistivity	105 - 109	105 - 108	105 - 109	10E5 - 10E9	10E8 - 10E11	10E+5 - 10E+9	Ohms
Modulus of Elasticity	16000 MPa	18000 MPa	N/A	18000 MPa	NA	N/A	Varying units
Specific Heat Capacity	N/A	930	N/A	N/A		N/A	J/kg °K
Sheet Size	2350 x 1335	1220 x 2440	2350 x 1335	2350 x 1335	25" x 25"	1335 x 2350	mm
Thickness Tolerance	N/A	+/- 0.10	N/A	N/A	+/-0.005"	N/A	mm
Flatness Tolerance	1.0mm (DIN ISO1101)	+/- 0.10 mm	N/A	N/A	N/A	N/A	Varying units
RoHS Compliant	Yes	Yes	Yes	Yes	Yes	Yes	N/A