

Outgassing Data for Emerson & Cuming Microwave's Products

Total Mass Loss = %TML; Water Vapor Recovered = %WVR; Collected Volatile Condensable Material = %CVCM

Items in *blue italics* did NOT pass the criteria for acceptability as outlined in ASTM E-595-90. Maximum of 1.00 %TML and a maximum of 0.10 %CVCM allowed.

Test Procedure: ASTM E-595-90 & -93

Test Procedure: MIL-STD-750/883

Series	Material	%TML	%CVCM	%WVR	NASA Data Ref:	Curing Times if Applicable	Hydrogen	Testing Lab	Date
ECCOSTOCK	0005	0.14/0.16%	0.020	0.010	GSC10565				
ECCOSORB	<i>269EA/BAS100/1BWGRAY10SPRAYCOATS</i>	<i>1.21</i>	<i>0.01</i>	<i>0.14</i>	<i>GSC15030</i>	<i>4Hours @ 75C</i>			
ECCOSORB	269EA/BAS100/1BWGRAY10SPRAYCOATS	0.83	0.01	0.14	GSC15032	24Hours @ 25C, 4Hours @ 75C, 16 Hours @ 75 C			
ECCOSORB	<i>AN72</i>	<i>1.75</i>	<i>0.39</i>	<i>0.65</i>	<i>GSC19105</i>	<i>24Hours @ 110C</i>			
ECCOSORB	AN-72	5.190	1.090	0.710	GSC24123				
ECCOSORB	<i>AN-72</i>	<i>5.870</i>	<i>1.390</i>	<i>0.730</i>	<i>GSC19060</i>				
ECCOSORB	AN-72	5.030	1.190	0.740	GSC19036	(3 hour in 100C air)			
ECCOSORB	<i>AN-72MICROWAVEABSORBANTFOAMETHWASH</i>	<i>2.69</i>	<i>0.68</i>	<i>0.66</i>	<i>GSC24135</i>	<i>21Hours @ 100C</i>			
ECCOSORB	AN72MICROWAVEABSORBANTFOAMETHWASH-3	2.66	0.37	0.48	GSC19063	3Hours @ 100C			
ECCOSORB	<i>AN72MICROWAVEABSORBANTFOAMETHWASH-3</i>	<i>2.26</i>	<i>0.26</i>	<i>0.33</i>	<i>GSC19090</i>	<i>3Hours @ 100C, 24Hours @ 110C</i>			
ECCOSORB	AN72MICROWAVEABSORBANTFOAMETHWASH-3	1.7	0.24	0.7	GSC19165	24Hours @ 110C			
ECCOSORB	AN74ETHANOLWASH-3	0.7	0.07		GSFC5405	21Hours @ 100C			
ECCOSORB	AN74METHANOLWASH-3	0.51	0.05		GSFC5407	21Hours @ 100C			
ECCOSORB	<i>AN-75</i>	<i>8.920</i>	<i>0.810</i>	<i>0.610</i>	<i>GSC23344</i>				
ECCOSORB	AN-75	1.760	0.050	0.060	GSC26173	(1 day in 150C air)			
ECCOSORB	<i>AN-75MICROWAVEABSORBANTALCOHOLWASHED</i>	<i>2.35</i>	<i>0.07</i>	<i>0.53</i>	<i>GSC23350</i>	<i>24Hours @ 100C</i>			
ECCOSORB	AN-75MICROWAVEABSORBANTALCOHOLWASHED	2.7	0.22	0.77	GSC23430	48Hours @ 100C			
ECCOSORB	<i>AN79MICROWAVEABSORBANT</i>	<i>4.37</i>	<i>0.45</i>		<i>GSFC3025</i>				
ECCOSORB	AN79MICROWAVEABSORBANT/3MADH44	1.16	0.39		GSFC4926	3Hours @ 25C, 21Hours @ 100C			
ECCOSORB	<i>AN79MICROWAVEABSORBANT16HMETOHWASH</i>	<i>1.03</i>	<i>0.15</i>		<i>GSFC4842</i>	<i>3Hours @ 25C, 21Hours @ 100C</i>			
ECCOSORB	AN79MICROWAVEABSORBANT4HETOHWASH	2.1	0.14	0.61	GSC11409	25Hours @ 100C			
ECCOSORB	<i>ANW-74</i>	<i>7.490</i>	<i>1.970</i>		<i>GSFC2318</i>				
ECCOSORB	BSR	0.470	0.280	0.030	GSC25675				
ECCOSORB	<i>BSR/SS-6M ADHESIVE</i>	<i>0.3</i>	<i>0.12</i>	<i>0.03</i>	<i>GSC29998</i>				
ECCOSORB	BSR/SS-6M ADHESIVE (VACUUM BAKED)	0.13	0.05	0.04	GSC30001	1Hours @ 120C			
ECCOSORB	BSR-1						0.6757	Pernicka	8/11/1999
ECCOSORB	BSR-1/SS-6M (.010")	0.290	0.080	0.040	GSC26545				
ECCOSORB	BSR-2	0.140	0.090	0.010	GSC25726	(1 hour in 130C air)			
ECCOSORB	BSR-2/SS-6M (.020")	0.240	0.080	0.010	GSC27118				
ECCOSORB	<i>BSR-1</i>	<i>6.08</i>	<i>2.47</i>	<i>0.79</i>	<i>GSC28888</i>				
ECCOSTOCK	<i>CPE</i>	<i>1.890</i>	<i>0.110</i>	<i>0.000</i>	<i>GSC16466</i>				
ECCOSORB	CR-110 (Mixed 100X/12Y)	0.880	0.110	0.290	GSC14118	(12 hour in 75C air)			
ECCOSORB	CR-110X/YAS100/12BWEPOXY	0.52	0	0.19	GSC12529	16Hours @ 25C, 12Hours @ 74C			
ECCOSORB	CR-112 (Mixed 100X/8.2Y)	0.320	0.010	0.150	GSC14121	(12 hour in 75C air)			
ECCOSORB	<i>CR-114X/YAS100/4.8BW</i>	<i>12.81</i>	<i>0</i>	<i>0.04</i>	<i>GSC24279</i>	<i>12Hours @ 77C</i>			
ECCOSORB	CR-117 (Mixed 100X/2.3Y)	0.260	0.010	0.080	GSC12088	(12 hour in 74C air)			
ECCOSORB	CR-124 (Mixed 50X/1Y)	0.120	0.010	0.050	GSC24422	(2 hour in 122C air)			
ECCOSORB	CR-124 (Mixed 50X/1Y)	0.110	0.000		GSFC5494	(14 day in 25C air)			
ECCOSORB	CR-124 (Mixed 50X/1Y)	0.090	0.000		GSFC5497	(4 hour in 93C air)			
ECCOSORB	CRS-124 (Mixed 100A/1B)	0.290	0.090		GSFC5447	(3 hour in 80C air)			
ECCOSORB	FDS	0.290	0.120	0.010	GSFC9575				
ECCOSORB	FDS	0.050	0.020	0.030	GSFC9596	(6 hour in 200C air)			
ECCOSORB	<i>FDS/S-11/ECCOSILLTP50/F</i>	<i>0.4</i>	<i>0.14</i>	<i>0.01</i>	<i>GSC23943</i>				
ECCOSTOCK	FFP	0.530	0.040	0.070	GSC27334	(30 hour in 107C air)			
ECCOSTOCK	<i>FFP</i>	<i>3.450</i>	<i>1.060</i>	<i>0.120</i>	<i>GSC26947</i>				
ECCOSORB	FGM-125	0.310	0.100	0.010	GSC26953				
ECCOSORB	FGM-125/SS-6M	0.230	0.060	0.040	GSC27139				
ECCOSORB	FGM-40	0.160	0.060	0.000	GSC19225				
ECCOSORB	FGM-40/SS-6M	0.200	0.030	0.010	GSC26548				
ECCOSORB	<i>FGMU-125</i>	<i>4.430</i>	<i>1.430</i>	<i>0.120</i>	<i>GSC27145</i>				
ECCOSORB	<i>FGMU-40</i>	<i>1.810</i>	<i>0.000</i>	<i>0.090</i>	<i>GSC27148</i>		0.0000	Pernicka	7/22/1996
ECCOSTOCK	<i>FPH/12-2H</i>	<i>1.29</i>	<i>0.03</i>	<i>0.76</i>	<i>GSC15444</i>	<i>16Hours @ 25C, 49Hours @ 60C</i>			
ECCOSTOCK	<i>FPH/12-2H</i>	<i>0.91</i>	<i>0.36</i>		<i>GSFC1654</i>	<i>1Hours @ 50C</i>			
ECCOSTOCK	<i>FPH/12-2H</i>	<i>0.99</i>	<i>0.07</i>	<i>0.59</i>	<i>GSFC5906</i>	<i>8Hours @ 60C, 12Hours @ 60C</i>			
ECCOSTOCK	<i>FPH/12-2H</i>	<i>1.15</i>	<i>0.08</i>	<i>0.56</i>	<i>GSFC5909</i>	<i>8Hours @ 60C, 24Hours @ 60C</i>			
ECCOSTOCK	<i>FPH/12-2H</i>	<i>1.08</i>	<i>0.1</i>	<i>0.47</i>	<i>GSFC5912</i>	<i>8Hours @ 60C, 63Hours @ 60C</i>			
ECCOSTOCK	<i>FPH/12-2HA/BAS20/13PBWPINKFOAM</i>	<i>1.06</i>	<i>0.05</i>	<i>1.22</i>	<i>GSC22084</i>	<i>48Hours @ 100C</i>			
ECCOSTOCK	<i>FPH/12-2HA/BAS20/13PBWPINKFOAM</i>	<i>1.24</i>	<i>0.04</i>	<i>1.14</i>	<i>GSC22087</i>	<i>48Hours @ 150C</i>			

