DATA FOR MATERIAL = 04131

```
**** MAPTIS NONMETALLIC SELECTION LIST DATA FOR MTRL CODE: 04131 **** 23-MAY-
01

    MTRL CODE:
04131
     USE TYPE: ABSORBER SOUND BARRIER FLAME
RETARDANT
  DESIGNATION: BISCO* HT-200 FORMERLY PORON* HT-
200
  COMPOSITION: SILICONE RUBBER WITH BARIUM SULFATE
FILLER
   GENERIC ID: AADPXXXX   MFG SERVICE TEMPS IN AIR - MIN:   -88 f   MAX:   401
f

      *  BISCO AND PORON ARE REGISTERED TRADEMARKS OF ROGERS
CORPORATION

 MANUFACTURER: ROGERS
CORPORATION
     DIVISION: HIGH PERFORMANCE ELASTOMERS/BISCO
UNIT

FLAMMABILITY
DATA
                                                                                BURN
PROP
NHB/                    CUR      PCT +/  PRESS +/ SAMPLE S CHM SMP    THICK +/   LENGTH T    RATE K
DFS SUBSTR SUBSTRATE
TYPE   TEST NR          NR R    OXY -    psia -   TMP f V VOL  NR     inch -      inch B  in/sec 10
BJP THK in MATERIAL
------ --------------- --- - ------ -- ------ -- ------ - --- --- -------- ---- ------ - ------- --
--- ------ --------------
01-UPW W30365-A            A   20.9 .3   14.4 .3           50  99    .0700 .004    .40           N
NSN
       M107071-A           A   24.1      13.9                  99    .0430 .004    .90     .0549 N
NSN
       M107071-B           A   34.0      10.2 .3               99    .0430 .004   4.80     .0383 N
NSN

    TST
NHB TYP TEST NR         T DESCRIPTION/
REMARK
--- --- --------------- -
-------------------------------------------------------------------------------------------------
01  UPW M107071-A       D COLOR:
BLACK
01  UPW                   PROTECTIVE BACKING REMOVED PRIOR TO
TEST.
01  UPW M107071-B       D COLOR:
BLACK
01  UPW W30365-A        D HT-200 (3/4
PSF)
01  UPW                 O All samples ignited, burned, and self-
extinguished.

TOXICITY
```

DATA

TEST NR	CUR SMP NR	WGT grams	VOLUME liters	CHAMBER R	SHUTTLE ZT100	ML WGT lbs	S R	SHUTTLE ZT100	ISSA ML WGT lbs	S R	ISSA ZT100	RUSSIAN ML WGT lbs	R	RUSSIAN ZT100
W30365-B		22.43	4.3	K	.2219	225.305	K	.1223	408.89					

TEST NR	T	DESCRIPTION/ REMARK
W30365-B	R	ONLY 1 SIDE OF THE SAMPLE WAS USED TO CALCULATE THE SURFACE AREA. HT-200 (3/4 PSF)

THERMAL VACUUM STABILITY DATA - NHB TEST

TEST NR	CUR NR	R	PRESS torr	TEMP C	TIME hr	TML	CVCM	RML WVR	TML - RML	THK in	SUBSTR SUBSTRATE MATERIAL
W30365-C		C	1.9E-6	125	24	0.47	0.12	0.04	0.43		

Return to previous Nonmetallic Material select page