DATA FOR MATERIAL = 03265

```
**** MAPTIS NONMETALLIC SELECTION LIST DATA FOR MTRL CODE: 03265 **** 29-MAR-02

    MTRL CODE: 03265
     USE TYPE: ELASTOMER
  DESIGNATION: COHRLASTIC* R10480 SOFT (RED)
  COMPOSITION: SILICONE RUBBER
   GENERIC ID: DODPXXXX   MFG SERVICE TEMPS IN AIR - MIN:  -100 f   MAX:   500 f

      *  COHRLASTIC IS A REGISTERED TRADEMARK OF CHR INDUSTRIES

SPECIFICATION: MIL-R-6130 TYPE 2 GRADE B AND C

 MANUFACTURER: SAINT-GOBAIN PERFORMANCE PLASTICS
     DIVISION: FORMERLY FURON CO/CHR INDUSTRIES

BASIC PROPERTIES
                                                            SOURCE
DATA SOURCE                                                 DATE
------------------------------------------------------------ ---------
PRODUCT DATA SHEET                                          30-MAY-01

PROPERTY                        VALUE    UNIT          COMMENTS
------------------------------- -------- ------------- -------------------------
DENSITY                         .01      lb/cu in      PER ASTM D297
DIELECTRIC CONSTANT
ELONGATION                      75       percent       PER ASTM D412
HARDNESS
HEAT DEFLECTION TEMP                     F
MAX CONTINUOUS TEMP             500      F
TENSILE STRENGTH                50       psi           PER ASTM D412
THERMAL EXPANSION                        in/in F
WATER ABSORPTION                5        percent       PER ASTM D1056

FLAMMABILITY DATA
                                                                                BU
NHB/                     CUR      PCT +/  PRESS +/ SAMPLE S CHM SMP    THICK +/   LENG
TYPE   TEST NR            NR R    OXY -    psia -   TMP f V VOL  NR     inch -      in
------ --------------- --- - ------ -- ------ -- ------ - --- --- -------- ---- ----
01-UPW W21263-B           2 B   25.7 .3   14.4 .3                99    .2750 .016   9.
       M104829-A            A   25.7 .3   14.4 .3                99    .4930 .02    3.
       W21263-A           2 C   30.3 .3   10.2 .3                99    .2750 .016  12.
       M104829-B            B   30.3 .3   10.2 .3                99    .4930 .02    6.

    TST
NHB TYP TEST NR          T DESCRIPTION/REMARK
--- --- --------------- - ------------------------------------------------------
01  UPW M104829-A       D COHRLASTIC* R10480 SOFT
01  UPW                 R SAMPLE 1 WHEN REMOVED FROM TEST STAND THE OVERALL LENGTH O
                          SHRINKAGE OF APPROX 1", THEREFORE THE BURN LENGTH WAS NOT
                          BACK TO IT'S PROPER SHAPE AND SIZE.
01  UPW                   SAMPLE 2 THE ONLY DIFFERENCE BETWEEN SAMPLE 2 AND SAMPLE 1
                          TO THE REAR OF THE MATERIAL AS THE OTHER SAMPLES PERFORMED
01  UPW                   SAMPLE 3 BURNT SIMULTANEOUSLY ON BOTH SIDES WHICH COULD HA
                          THE BURN LENGTH.
01  UPW M104829-B       D COHRLASTIC* R10480 SOFT
```

```
01  UPW                 P SAMPLE ARRIVED PREPARED.
01  UPW                 R SAMPLE 1 HAD A SAMPLE BURN LENGTH PARALLEL ON BOTH SIDES T
                          LENGTH WAS A SURFACE BURN ON ONLY 1 SIDE, THAT OF THE IGNI
01  UPW                   SAMPLE 2 THE BURN LENGTH REFLECTS ON 1 SMALL BURN THAT QUI
                          MATERIAL AND WAS SEPARATE FROM THE LARGER SAMPLE BURN THAT
```

FLASH/FIRE DATA

TEST NR	CUR NR	PCT OXY	PRESS psia	SUBSTR THK in	SUBSTRATE MATERIAL	FLASH RTG	FLASH POINT	FI RT
W21263-C	2	25.9	14.30			A	968	A

TOXICITY DATA

TEST NR	CUR NR	SMP WGT grams	CHAMBER VOLUME liters	R	SHUTTLE ZT100	ML WGT lbs	S R	ISSA ZT100	ML WGT lbs	S R	ISSA RUSSIAN ZT100	RU M
W21263-E	2	22.398	4.3	K	.0164	3052.19	K	.009	5539.19	K	.0052	96

ODOR DATA - NHB TEST 6

TEST NR	CUR NR	R	SMP WGT grams	PCT OXY	PRESS psia	TEMP f	ODOR	SUBSTR THK in	SUBSTRATE MTRL
W21263-D	2	A	9.903	25.9	12.4	120	.0		

THERMAL VACUUM STABILITY DATA - NHB TEST TVS

TEST NR	CUR NR	R	PRESS torr	TEMP C	TIME hr	TML	CVCM	RML WVR	T - R
G20614-A	1	C	1.0E-06	125	24	.25	0.11	.02	0.
W21263-F	2	A	4.0E-06	125	24	.095	0.02	.02	0.

CURE DATA

NR	PH	BLEND	Q	TIME hr	TEMP f	PRESS psia	CURE NOTE
1	1			96	176	0	VACUUM 1.0E-
2	1			16	480	12.4	

Return to previous Nonmetallic Material select page