

Tenneco Chemicals
A Tenneco Company

Intermediates Division



P.O. Box 116
Burlington, New Jersey 08016
(609) 386-9200

January 15, 1973

Mr. Harold Schaeffer
Cary Page Chemicals, Inc.
Raritan Center Building 443
Edison, New Jersey 08817

Dear Harold:

As agreed in our meeting on 1/10/73, I am forwarding, herewith, to your attention one-pound samples of the following compounds along with specifications for these particular compounds:

2602-1	Natural
2710C	"
2804	"
2901	"
2900	"
2385	"

As I understand it, you will evaluate these samples to assist you in deciding whether you will run these compounds in your facility.

If you have any questions, Harold, please do not hesitate to contact me.

Very truly yours,

TENNECO INTERMEDIATES DIVISION
Tenneco Chemicals, Inc.

H. B. Carr
(it)

H. B. Carr
Supervisor, Quality Control

HBC/jt

cc: M. Freifeld

see. 74
File

COLORITE 014951

TENNECO INTERMEDIATES DIVISION

BURLINGTON COMPOUND PLANT

COMPOUND SPECIFICATIONS

August, 1972

Supersedes: April, 1969

COMPOUND

2602-1 (T-6100)

SPECIFIC GRAVITY ± 0.010

Natural (SPA 2602-1)

1.360

White (SPAT-6100 White FR CS117)

1.365

Gray 114

1.365

CONTAMINATION

Fines, Max., %

0.1

Angel Hair, Max., %

0.2

Oversize, Max., %

2.0

Pellet Contamination, Max.

5 pellets/50 pounds

Metal Contamination

None

POROSITY, 4 Pellets Ave., Max.

10

DUROMETER Shore A ± 3

Instantaneous

83

10 seconds

80

MODULUS @ 100% ELONGATION psi $\pm 10\%$

1150

ULTIMATE ELONGATION, %, $\pm 10\%$

330

TENSILE STRENGTH, psi, $\pm 10\%$

2150

BRITTLE POINT 2/10, Max.

-25°C

VOLUME RESISTIVITY @ 50°C, Min.

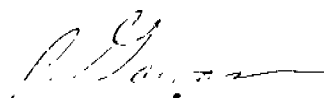
Determine and Report

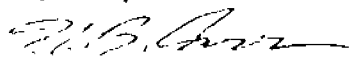
BRABENDER EXTRUSION RATING

Average

BRABENDER VISCOSITY, $\pm 10\%$

560 meter grams.

Prepared by: 
P. Gawason
Group Leader
Quality Control

Issued by: 
H. B. Carr
Supervisor
Quality Control

COLORITE 014952

TENNECO INTERMEDIATES DIVISION

BURLINGTON COMPOUND PLANT

COMPOUND SPECIFICATIONS

August, 1972

Supersedes: Nov., 1968

COMPOUND

2710C

SPECIFIC GRAVITY ± 0.010

Black

1.380

Natural

1.380

COLOR: Within standard limits.

CONTAMINATION

Fines, Max. %

0.1

Angel Hair, Max. %

0.2

Oversize, Max. %

2.0

Pellet Contamination, Max.

5 pellets/50 pounds

Metal Contamination

None

POROSITY, 4 Pellets Ave., Max.

15

DUROMETER Shore C ± 3

10 seconds

75

MODULUS @ 100% ELONGATION, psi, $\pm 10\%$

2300

ULTIMATE ELONGATION, %, $\pm 10\%$

280

TENSILE STRENGTH, psi, $\pm 10\%$

2800

BRITTLE POINT 5/10, Max.

-10°C

VOLUME RESISTIVITY @ 50°C , Min.

20×10^{12} ohm-cm.

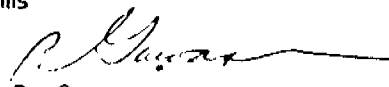
BRABENDER EXTRUSION RATING

+1

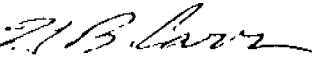
BRABENDER VISCOSITY, $\pm 10\%$

640 meter grams

Prepared by:


P. Gawason
Group Leader
Quality Control

Issued by:


H.B. Carr
Supervisor
Quality Control

COLORITE 014953

TENNECO INTERMEDIATES DIVISION

BURLINGTON COMPOUND PLANT

COMPOUND SPECIFICATIONS

August, 1972

Supersedes: April, 1969

COMPOUND

2804

SPECIFIC GRAVITY ± 0.010

Black	1.370
Gray 136	1.370
Natural	1.370

COLOR: Within standard limits.

CONTAMINATION

Fines, Max. %	0.1
Angel Hair, Max. %	0.2
Oversize, Max. %	2.0
Pellet Contamination, Max.	5 pellets/50 pounds
Metal Contamination	None

POROSITY, 4 Pellets Ave., Max.

10

DUROMETER Shore A ± 3
10 seconds

76

MODULUS @ 100% ELONGATION psi, $\pm 10\%$

1000

ULTIMATE ELONGATION, %, $\pm 10\%$

350

TENSILE STRENGTH, psi, $\pm 10\%$

2050

BRITTLE POINT 5/10 Max.

-40°C

ULTIMATE ELONGATION AFTER 18 HRS. @
121°C in TEP 2190 OIL

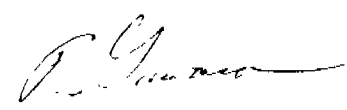
150 Min.

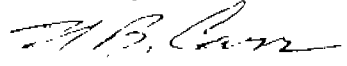
TENSILE STRENGTH AFTER 18 HRS. @
121°C in TEP 2190 OIL $\pm 10\%$

2100

BRABENDER EXTRUSION RATING

Average


Prepared by: P. Gawason
Group Leader
Quality Control


Issued by: H. B. Carr
Supervisor
Quality Control

COLORITE 014954

TENNECO INTERMEDIATES DIVISION

BURLINGTON COMPOUND PLANT

COMPOUND SPECIFICATIONS

August, 1972

Supersedes: July, 1970

COMPOUND

2901

SPECIFIC GRAVITY ± 0.010

Black	1.350
Brown 108	1.360
Natural	1.350
Natural 01	1.355
White 1	1.385

COLOR: Within standard limits.

CONTAMINATION

Fines, Max. %	0.1
Angel Hair, Max. %	0.2
Oversize, Max. %	2.0
Pellet Contamination, Max.	5 pellets/50 pounds
Metal Contamination	None

POROSITY, 4 Pellets Ave., Max.

10

DUROMETER Shore A ± 3
10 seconds

86

MODULUS @ 100% ELONGATION psi, $\pm 10\%$

1550

ULTIMATE ELONGATION, %, $\pm 10\%$

350

TENSILE STRENGTH, psi, $\pm 10\%$

2450

BRITTLE POINT 5/10, Max.
(EVERY 6 MONTHS)

-15°C

VOLUME RESISTIVITY @ 50°C, Min.

25×10^{12} ohm-cm.

BRABENDER EXTRUSION RATING

Average

OVEN AGING (EVERY 6 MONTHS)

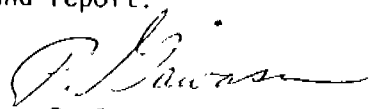
7 DAYS @ 136°C:

% ELONGATION RETAINED

% TENSILE STRENGTH RETAINED

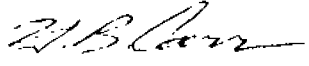
Determine and report.

Determine and report.

Prepared by:  P. Gawason

Group Leader
Quality Control

Issued by:


H. B. Carr
Supervisor
Quality Control

COLORITE 014955

TENNECO INTERMEDIATES DIVISION

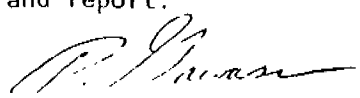
BURLINGTON COMPOUND PLANT

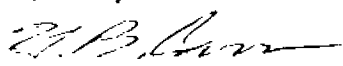
COMPOUND SPECIFICATIONS

August, 1972

Supersedes: Nov., 1968

<u>COMPOUND</u>	2900	
<u>SPECIFIC GRAVITY ± 0.010</u>		<u>COLOR:</u> Within standard limits.
Black	1.300	
Natural	1.300	
<u>CONTAMINATION</u>		
Fines, Max. %	0.1	
Angel Hair, Max. %	0.2	
Oversize, Max. %	2.0	
Pellet Contamination, Max.	5 pellets/50 pounds	
Metal Contamination	None	
<u>POROSITY, 4 Pellets Ave., Max.</u>	5	
<u>DUROMETER</u> Shore A ± 3		
10 seconds	92	
Shore C ± 3		
10 seconds	74	
<u>MODULUS @ 100% ELONGATION psi, $\pm 10\%$</u>	1850	
<u>ULTIMATE ELONGATION, %, $\pm 10\%$</u>	350	
<u>TENSILE STRENGTH, psi, $\pm 10\%$</u>	2600	
<u>VOLUME RESISTIVITY @ 50°C, Min.</u>	70×10^{12} ohm-cm.	
<u>BRITTLE POINT 5/10, Max.</u>	-30°C	
<u>BRABENDER EXTRUSION RATING</u>	-1	
<u>OVEN AGING (EVERY 6 MONTHS)</u>		
7 DAYS @ 136°C:		
% ELONGATION RETAINED	Determine and report.	
% TENSILE STRENGTH RETAINED	Determine and report.	


Prepared by: P. Gawason
Group Leader
Quality Control


Issued by: H. B. Carr
Supervisor
Quality Control

COLORITE 014956

TENNECO INTERMEDIATES DIVISION

BURLINGTON COMPOUND PLANT

COMPOUND SPECIFICATIONS

August, 1972

Supersedes: April, 1969

COMPOUND

2385

SPECIFIC GRAVITY ± 0.010

Black	1.405
Brown 108	1.410
Chrome Grey 135	1.405
Gray 37	1.415
Ivory 7	1.415
Natural	1.405
White 1	1.420
Yellow 15	1.425

COLOR: Within standard limits.

CONTAMINATION

Fines, Max. %	0.1
Angel Hair, Max. %	0.2
Oversize, Max. %	2.0
Pellet Contamination, Max.	5 pellets/50 pounds
Metal Contamination	None

POROSITY, 4 Pellets Ave., Max.

15

DUROMETER Shore A ± 3
10 seconds

84

VOLUME RESISTIVITY @ 50°C, Min.

Determine and report. (ohm-cm)

MODULUS @ 100% ELONGATION psi, Min.

1300

ULTIMATE ELONGATION, %, Min.

310

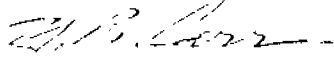
TENSILE STRENGTH, psi, Min.

2250

BRABENDER EXTRUSION RATING

Average


Prepared by: P. Gawason
Group Leader
Quality Control


Issued by: H. B. Carr
Supervisor
Quality Control

COLORITE 014957