

INTER-OFFICE MEMO **TENNECO CHEMICALS, INC.**

TO	Distribution List	AT	DATE May 18, 1972
FROM	H.B. Carr	AT Burlington	COPY TO L.M. Alter
SUBJECT	Testing Method 2-16		J.R. Gregor
	Attachment to Testing Method 2-5		*E.J. Hourihan
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			D.I. Smalley
			*M.C. Spalding (2)
			*J.J. Zullo
			*R&D - Flemington
			File

Attached you will find testing method 2-16 entitled "Determination of Gels (Becton-Dickinson)". This is a new method which replaces testing method 2-16 entitled "Tinius Olsen Flow Evaluation" which is now an obsolete method. Please discard the obsolete copy and insert the revised one into Section 2 of your Quality Control manuals.

The Index for Section 2 has been revised and is attached. This issue supersedes the one of October, 1970. Please discard the obsolete Index and insert the revised one.

A revision to the attachment to testing method 2-5 is attached also. Please discard the old copy.

H.B. Carr

Attachments (3).

HBC/jt

*Manual Holders

TENNECO INTERMEDIATES DIVISION

TENNECO CHEMICALS, INC.

QUALITY CONTROL

TESTING METHOD

DATE: May, 1972

METHOD NO.: 2-16

TITLE: Determination of Gels (Becton-Dickinson)

SCOPE: This method is designed to check for the presence of unwetted resin and fibrous contamination in a Plastisol paste.

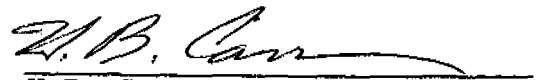
APPARATUS: 12-oz. Paper Cup
Toledo Scale
Lighting Mixer
Desiccator
6" x 6" Glass Plate
Vacuum Pump

CHEMICALS: Sample to be Tested
DOP

PROCEDURE:

1. To a tared 12-oz. paper cup add 50 gms of resin and 35 gms of DOP.
2. Stir with lighting mixer for 1-1/2 minutes. Add an additional 15 gms of DOP and stir for another 30 seconds.
3. Deaerate for 15 minutes.
4. Cast a 7-mil film with the drawdown blade on a 6" x 6" glass. Count number of gels in a 4-1/2" square.

REPORT: The number of gels found in a 4-1/2" square. If any sample is over 18 gels, let the paste stand for 1 hour and repeat the test.


H.B. Carr
Supervisor - Quality Control

TENNECO INTERMEDIATES DIVISION

TENNECO CHEMICALS, INC.

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Effective May, 1972

Supersedes Index Dated October, 1970

COLORITE 014551

SQUARE ROOTSMETHOD NUMBER

2-5

n	$\sqrt{n}$	n	$\sqrt{n}$	n	$\sqrt{n}$	n	$\sqrt{n}$
5	2.2	185	13.6	365	19.1	545	23.3
10	3.2	190	13.8	370	19.2	550	23.5
15	3.9	195	14.0	375	19.4	555	23.6
20	4.5	200	14.1	380	19.5	560	23.7
25	5.0	205	14.3	385	19.6	565	23.8
30	5.5	210	14.5	390	19.7	570	23.9
35	5.9	215	14.7	395	19.9	575	24.0
40	6.3	220	14.8	400	20.0	580	24.1
45	6.7	225	15.0	405	20.1	585	24.2
50	7.1	230	15.2	410	20.2	590	24.3
55	7.4	235	15.3	415	20.4	595	24.4
60	7.7	240	15.5	420	20.5	600	24.5
65	8.1	245	15.7	425	20.6	605	24.6
70	8.4	250	15.8	430	20.7	610	24.7
75	8.7	255	16.0	435	20.9	615	24.8
80	8.9	260	16.1	440	21.0	620	24.9
85	9.2	265	16.3	445	21.1	625	25.0
90	9.5	270	16.4	450	21.2	630	25.1
95	9.7	275	16.6	455	21.3	635	25.2
100	10.0	280	16.7	460	21.4	640	25.3
105	10.2	285	16.9	465	21.6	645	25.4
110	10.5	290	17.0	470	21.7	650	25.5
115	10.7	295	17.2	475	21.8	655	25.6
120	11.0	300	17.3	480	21.9	660	25.7
125	11.2	305	17.5	485	22.0	665	25.8
130	11.4	310	17.6	490	22.1	670	25.9
135	11.6	315	17.7	495	22.2	675	26.0
140	11.8	320	17.9	500	22.4	680	26.1
145	12.0	325	18.0	505	22.5	685	26.2
150	12.2	330	18.2	510	22.6	690	26.3
155	12.4	335	18.3	515	22.7	695	26.4
160	12.6	340	18.4	520	22.8	700	26.5
165	12.8	345	18.6	525	22.9	705	26.5
170	13.0	350	18.7	530	23.0	710	26.6
175	13.2	355	18.8	535	23.1	715	26.7
180	13.4	360	19.0	540	23.2	720	26.8
						800	28.3
						900	30.0
						1000	31.6
						1100	33.2
						1200	34.6
						1300	36.1
						1400	37.4
						1500	38.7