

E. I. DU PONT DE NEMOURS AND COMPANY
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Newark, New Jersey
July 1, 1975

J. R. WEBSTER
PIGMENTS
CHESTNUT RUN

REF. JJ - J.R.WEBSTER 3/10/75 BT-476- "COWLES" DISPERSIBILITY

We have manufactured an additional lot of BT-476 (56657) at a higher (4.5%) level of resin in an attempt to increase dispersibility of this product.

Will you please evaluate it versus LGLD and BT-383-D to determine if this level of resin (chosen because of patent consideration) has any special merit.

Julius Jackson
J. Jackson
R and D Division

L.C. Rodgers 7/24

JJ/cjg

	Texture	vs LGLD
56657	5/2	2 1/2% strg slant
LGLD	4/2	
BT-383	5/2 dk, id	2 1/2% Ad, dull
		2 1/2% strg, slant

Separate

5%	Consider
zero	red tailings
1 1/2%	VS "
20%	V Bad

Conclusion - Product
superior to LGLD
Texture, sep, tailings

VS LGLD
56657
Em Cy
BT-383

MT	RVT	TJT
dk, str	strg	gr strg
dk, Red, str	red op, strg	red, side, strg
dk dull	gr strg, dull	gr strg, dull

N35388

Ref no

TABLE I - BT-476-D COWLES DISPERSIBILITY
SAMPLES TESTED TO DATE IN "75"

<u>CODE</u>	<u>COR LOT NO.</u>	<u>DATE</u> <u>DISP.</u>	<u>% PIGMENT</u> <u>GRIND</u>	<u>COWLES</u> <u>TEXTURE (D)</u>	<u>%</u> <u>SEPERATION</u>	<u>TAILINGS</u>	<u>3-ROLL</u> <u>TEXTURE</u>
LG LD	C# 72104	8/6	20.7	10	0	VS1	4.0
BT-476-D	L-56657 (1)	8/6	26.2	10	5.0	CONS.	7.0
BT-476-D	L-55462 (2)	8/6	26.2	10	5.0	CONS.	8.0
LG LD	C# 72104	7/5	20.7	10	0	VS1	5.5
BT-476-D	L-56657 (1)	7/5	26.2	10	8.0	CONS.	5.5
BT-383-D	PS-97644	7/5	26.2	10	20	V BAD	10
55-3744	C# 75446	7/5	20.7	10	0.5	VS1	4.5
<i>Red Shade looks good what is it.</i>							
LG LD	C# 72104	3/17	20.7	10	0.5	VS1	3.0
BT-476-D	L-55462 (2)	3/17	26.2	10	5.0	CONS.	6.0
BT-476-D	L-55468	3/17	26.2	10	3.0	CONS.	6.0
BT-383-D	PS-97644	3/17	26.2	10	10	BAD	9.0

(1) High resin content - All other BT-476-D lots normal resin content.

(2) FOUND UNSATISFACTORY AT BOWERS PRINTING. INK

(3) NPRT - 10 = poor, 0 = EXCELLENT

8/12/75
 JAM-C.R.

TABLE II - BT-476-D COUPLER DISPERSIBILITY
TEST REPRODUCIBILITY

<u>CODE</u>	<u>COR LOT NO.</u>	<u>DATE</u> <u>ANAL.</u>	<u>%</u> <u>SEPERATION</u>	<u>TAILINGS</u>	<u>3-ROLL</u> <u>TEXTURE (3)</u>
LGLD	C#72104	8/6	0	VS1	4.0
"	"	7/15	0	VS1	5.5
"	"	3/17	0.5	VS1	3.0
BT-476-D	L-55462	8/6	5.0	CONS.	8.0
"	"	3/17	5.0	CONS.	6.0
BT-476-D	L-56657	8/6	5.0	CONS.	7.0
"	"	7/15	5.0	CONS.	5.5
BT-383-D	PS-97644	7/15	2.0	✓BAD	10
"	"	3/17	10	BAD	9.0

(1) FOUND UNSATISFACTORY AT BOWERS PRINTING INK

(2) HIGH RESIN CONTENT

(3) NPRI - 10 = POOR, 0 = EXCELLENT

JAM-C.R.
8/12/75