UC 4142

UNION CARBIDE

INTERNAL CORRESPONDENCE

MINING AND METALS DIVISION • P. O. BOX 579, NIAGARA FALLS, NEW YORK 14302

To (Name)
Division
Location

Mr. John L. Myers

Date: June 12, 1975

Originating Dept.: "Calidria" asbestos Technical Service

Answering letter date:

Copy to: Messrs. G. L. Dickson
H. B. Rhodes
R. E. Byrne, Jr.
W. C. Thurber
File (2083-22-23)

Subject: Identify physical properties of GAF Paper Bestos PB-5.

The physical properties of GAF's Paper Bestos PB-5 are shown, along with comparative data on other asbestos products in the attached table.

PB-5 exhibits low brightness due to high magnetite. Wet bulk is in a range between "Calidria" SG-130 and RG-110. Percent Available and Ultimate Fiber are high as is kerosene retention. A considerable amount of fiber longer than typical grade 7 is also present.

Blair L. Ingalls

BLI:pcr
Att.

PLAINTIFF'S EXHIBIT
UC-4142

X400214

## PRODUCT PROPERTIES

| | Carey 7W | Carey 7TF-8 | Typical RG-110 | Typical HPO | Typical SG-130 | GAF PB-5 |
|---|---|---|---|---|---|---|
| **Tap Water Screen** | | | | | | |
| % +65 | 16.6 | 0.4 | <1 | 1 | 5 | 40.0 |
| % +100 | 24.8 | 1.9 | <1 | <3 | 8 | 47.6 |
| % +200 | 51.8 | 20.8 | 4 | 10 | 18 | 62.8 |
| % +325 | 68.4 | 47.4 | 10 | 20 | 30 | 69.5 |
| **Dispersed Wet Screen** | | | | | | |
| % +65 | 12.6 | 0.5 | <1 | <1 | 3 | 25.1 |
| % +100 | 23.0 | 1.6 | <1 | 2 | 4 | 48.8 |
| % +200 | 45.4 | 16.7 | 2 | 7 | 12 | 63.4 |
| % +325 | 59.6 | 38.9 | 6 | 13 | 22 | 72.6 |
| Reflectance (%) | 60.0 | 65.0 | 71 | 73 | 70 | 66.5 |
| Wet Bulk | | | | | | |
| (10g/250ml) | 67 | 74 | 200+ | 200+ | 190 | 248 |
| (2g/liter) | 88 | 90 | 700+ | 900+ | 350 | 515 |
| Dry Bulk (lbs./ft.$^3$) | 20.2 | 14.6 | 4.5 | 5 | 7 | 8.4 |
| Magnetite (%) | 10.3 | 4.4 | 1.3 | 0.5 | 1.5 | 7.2 |
| Available Fiber (%) | 25.1 | 25.6 | 60 | 60 | 45 | 99.3 |
| Ultimate Fiber (%) | 43.2 | 42.9 | 85 | 95 | 80 | 96.6 |
| Kerosene Retention (ml/100 gm) | - | - | 790.2 | 651.6 | - | 766.8 |

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