

UNION
CARBIDE

INTERNAL CORRESPONDENCE

PLASTICS DIVISION

RIVER ROAD, BOUND BROOK, NEW JERSEY 08805

To (Name) Mr. G. J. Kuzmak/R. E. Graebert
Company Union Carbide - Plastics Division
Location Bound Brook, New Jersey

Date October 13, 1964

Originating Dept. Molding Material

Answering letter date

Copy to Mr. D. E. Albright
Mr. F. W. Duce/A. W. Koranyi
Mr. L. D. Fishberg/C. F. Martino
Mr. A. E. Ryrholm/E. W. Vois

Subject Development Run Report
BMM-5715 Black 25
Batches 6 and 7

Report by: H. E. Kipp

Date of Run: October 9, 1964

Product and Quantity: BMM-5715 Black 25, Grade 18 - 28,000 pounds

Unit: BA - Department 014-4

Followed by: Messrs. L. D. Fishberg and H. E. Kipp

Customer and Use: Cutler-Hammer, Milwaukee, Wisconsin - Electrical switch gears and parts

Is This First Run of Product: No

Will Transfer be Requested by Development: No

Recommendations: Improve plasticity control. Investigate the effect of excess fines in raw mix (over 50%) on plasticity, appearance, etc. Investigate the cause of very poor appearance, especially unusually very pronounced mar. Revise unnecessarily high temperature squeeze roll conditions, as well as variations of conditions on other rolls. Material not suitable for transfer at this time.

Discussion: It is expected that this material will eventually replace BMM-7500 Black 25. The improved properties are attributed to the use of resin BMM-5350 versus the BMM-5239, BMM-7234 and furfural combination used in BMM-7500 Black 25; better flash release; better preheat and wider molding latitude. Better flash release is obtained by means of a glycerol monostearate and calcium monostearate combination.

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