Cumming Paton - General Offices

February 26, 1970 — R. N. Brell - Wilmington

EASTMAN/AMORPHOUS POLYPROPYLENE

F. Sturm
Atlanta

When I visited Eastman last week, I showed them samples of Montar in amorphous polypropylene (Estobond M-5L). I didn't have data with me but now have some.

We have carried out simple adhesion tests. A piece of kraft paper was coated with hot melt, another piece of kraft rolled on top and an adhesion peel test run after several minutes.

Estobond M-5L alone	20% paper tear
Montar 1 (10%)	35% paper tear
Montar 1 (20%)	100% paper tear
Montar 9 (10%/20%)	Inferior to M-5L alone

We found that Modaflow at 0.1% helped compatibilize Montars in M-5L.

At the 20% level, we feel Aroclors are superior to Montars. We rate them best to worst: Aroclor 5460, 1262, 1260 and 1242 which was a distant fourth.

We feel M-5L does not have the heat stability of Elvax and tends to decompose on prolonged heat. Aroclor 5460 should, therefore, be very helpful in that respect.

We feel M-5L could be a replacement for wax in an EVA/wax/Aroclor 5460 adhesive. We made M-5L/Aroclor 5460 blends with Elvax 210 easily, Elvax 40 with difficulty, and Elvax 150 [illegible].

I suggest you discuss this with Paul van Buskirk on your next visit to Kingsport.

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