

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

TO L. Schappell AT DATE December 8, 1975
FROM F. W. Kanzler AT COPY TO H. B. Carr
H. R. Horton
W. Miringoff
J. W. Poarch
P. M. Reed
R. D. Richards
SUBJECT Gels in T-1730 (Lot #805032) File ✓

At your request the second and third composite of the subject T-1730 lot were subjected to microscopic analysis. A Becton-Dickenson drawdown was used for this purpose.

While a relatively large amount of gels was found in both drawdowns - 21 for the second composite and 26 for the third composite - only a very small amount were caused by fibers - 1 and 2 respectively. Each of the samples contained one burnt particle each, which manifested themselves as gels. All other gels were caused by unfused resin particles, none of which showed evidence of degradation.

Based on the above, post polymerization in-process contamination may be ruled out. Previous experience with high gel levels in T-1730, the "post polymerization" gels in Becton-Dickenson drawdowns were usually caused by agglomerates with a fibrous core and associated with high flakes and strands counts. None of the above contaminations were observed during routine Q.C. testing.

It is therefore suspected that the majority of the gels were agglomerates formed during polymerization. The absence of degradation seems to indicate no further breakdown in the subsequent process steps, particularly in the atomizers.

Fred H. Kanzler
F. W. Kanzler

FWK/gs