
Addendum to

A UNIFIED THEORY OF FIRE SUPPRESSION

Dear Editor,

In a recent review of the fire behavior of polymethylmethacrylate by Tewarson and Ogden², some extinction data originally published in Reference 3 were presented. In that work the oxygen concentration at extinction was measured for a range of external radiant fluxes in experiments where nitrogen was used to dilute the combustion air. This data provides a direct test of the predictions made and reported as Figure 2 in my paper. Figure 1 presented at right shows a direct comparison of the predictions made in Reference 1 and the data from Tewarson. Clearly there are differences between the predictions and the experimental results, but the degree of agreement in this blind comparison is encouraging. I hope that further comparisons will be possible in the future as the study of extinction continues.

—Craig Beyler

REFERENCES

1. Beyler, C.L., *Journal of Fire Protection Engineering*, **4**, pp 5-16, 1992.
2. Tewarson, A., Ogden, S., *Combustion and Flame*, **89**, pp. 237-259, 1992.
3. Tewarson, A., Pion, R., *Combustion and Flame*, **26**, pp. 85-103, 1976.

