Joe — MOCAN FILE
Here is the DOT
material —
AWM

Sentinel S148/S149
1608 - 2 — (1:1)
1609 - 2 — (1:2)
1610 - 2 — (1:3)

DSW 587780

STLCOPCB4093116

OVEN VOLATILITY RESULTS

	% Plas.Lost	PHR Remaining After
DOP/DNODA	30	42 52
S-711	8	69
S-711/Phosphate	13	65

Therefore, to maintain a concentration of 42 PHR after the test, starting PHR would be:

DOP/DNODA	75	
S-711	45-47	56-58
S-711/Phosphate	48-49	59-61

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code (in/min)
Vinyl up / vinyl down (O_2 [illegible]
* = under 2 inches [illegible] 60 sec burn.
Passes DOT

Phosphate DOT Levels

56 S711 14 phosphate	30 Atomite	49 S711 21 phosphate	30 Atomite
S140	1.3*/4.4 (23.8)		0*/2.5 (24.6)
S148	3.5/6.2 (22.7)		2.8/5.8 (23.2)
S140/S148 (1:1)	2.2*/4.5 (23.4)		2.0*/4.4 (24.0)
" (3:2)	1.1*/4.7 (23.2)		1.6*/4.1 (24.3)
" (2:1)	1.7*/4.9 (23.6)		2.1*/2.4 (24.3)
" (3:1)	1.1*/4.5 (23.6)		0*/2.4 (24.4)
Kronitex 100	1.7*/4.3 (23.8)		1.9*/2.5 (24.3)
4 phr Sb_2O_3		0.7/0.8 (24.4)	
S711		4.7-6.6/7.1-8.9	

Conclusions:

1) 18-21 parts Triaryl phosphate passes both sides
2) 2:1 or preferably 3:1 S140/S148 should compete very well with Kronitex 100.
3) * samples burning rates are not truly indicative because of short times and distances. Check data sheets where confused. Vinyl side down is more linear.
4) With Flame retarded cloth 10-14 phr S140, Kronitex 100, or the 2:1 or 3:1 S140/S148 blends should pass.

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