



Kemgard™

Flame Retardant · Smoke Suppressant

Kemgard Products Lower Smoke and Improve LOI In PVC/CPE Plenum Cable Formula

Application Bulletin #2070

Smoke Suppressant	Control*	AOM/ZnO	KG 911A	KG 911B	KG 911C
NBS Smoke (ASTM E662)					
Flaming Mode					
D90 (ave)	53	32	20	23	22
D4.0 (ave)	224	144	112	110	115
Dmax (ave)	345	260	258	214	243
LOI	40	42.5	44.5	45	43

Flexible PVC

Common Ingredients

Oxyvinyl 240

Lead Fumerate – 9 phr

TOTM Plasticizer - 35 phr

Chlorinated Polyethylene - 15 phr

Epoxidized Soybean Oil - 3 phr

Antimony Oxide - 2 phr

Magnesium Oxide - 10 phr

ATH 9400 - 29 phr

Ultracarb U5 - 29 phr*

Smoke Suppressant – 10 phr**

* Control contained 39 phr Ultracarb to maintain constant filler content

** AOM/ZnO system contained 6phr AOM and 4 phr ZnO
KG911B/ATH system contained 4 phr 911B and 6 phr ATH



SHERWIN-WILLIAMS CHEMICALS

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