

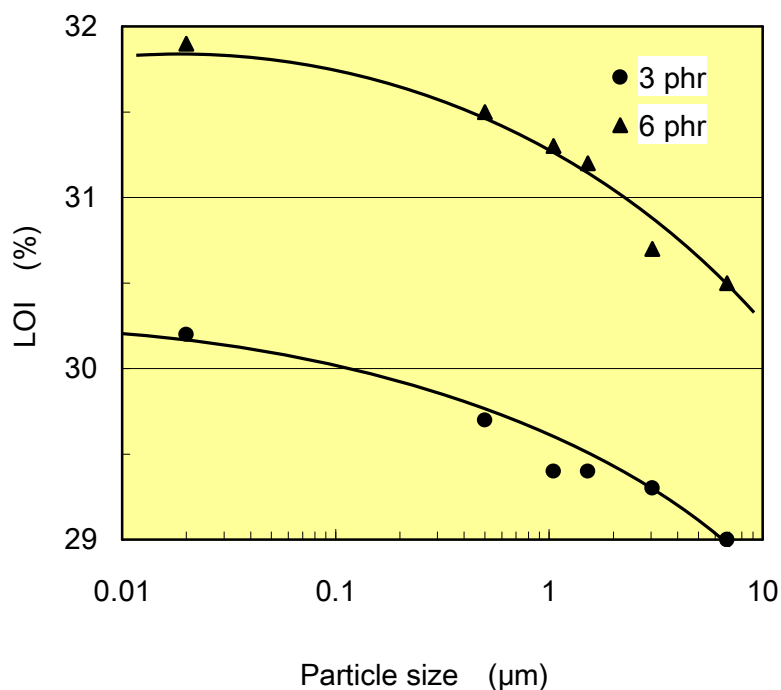
THE RELATION BETWEEN PARTICLE SIZE OF ANTIMONY TRIOXIDE AND FLAMERETADANCY

Antimony trioxide is used together with halogenated compound to obtain flame retardant effectiveness. However the flame retardant effectiveness varies depending upon the particle size of antimony trioxide. The relation between the effectiveness and the particle size is addressed below.

Methods

PVC	100Phr	Mixing	Pressing	Measurement
DOP	50Phr	→ 155°C	→ 0.2mm	→ of LOI
Stabilizer	3phr		thickness	
Sb2O3	variable			

Results



As the effectiveness of a flame retardant varies of according to the size of antimony trioxide, as explained above. Therefore, if a highly effective flame retardant is required, special attention should be paid to the size of antimony trioxide particles.

* The statement and methods presented herein about the products are based upon the best available data and practices currently known to us. However they are neither presentations nor warranties of performance, results or comprehensiveness of such data, and further they do not imply any recommendation to infringe any patent or offer of a license under any license.



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