

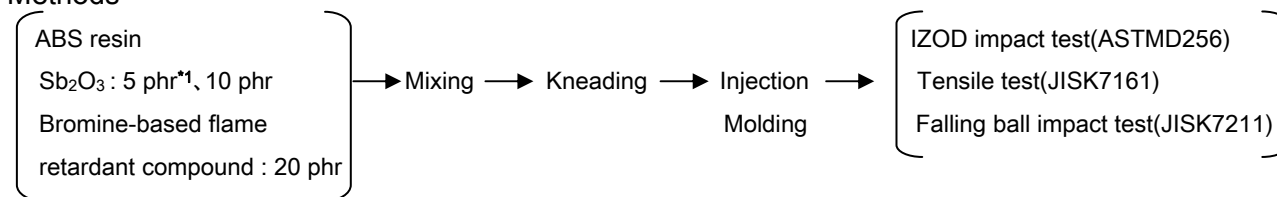


Comparison of PATOX-M and PATOX-MK 【Resin Strengths】

Standard Assay

	Sb ₂ O ₃ %	As %	Pb %	Fe %	H ₂ O %	Particle Size μm	L*	b*
PATOX-M	99.7	0.051	0.053	0.000	0.01	0.50	98.9	2.2
PATOX-MK	99.7	0.035	0.049	0.000	0.02	0.51	98.8	1.9

Methods



Results

Additive amount of Sb ₂ O ₃		5phr		10phr	
Grade		PATOX-M	PATOX-MK	PATOX-M	PATOX-MK
IZOD impact test (A notch) (J/m)		55.3 (σ=1.8)	55.4 (σ=2.0)	44.4 (σ=2.1)	44.7 (σ=2.2)
Tensile test	Yield point	Load (KN)	2.1	2.1	2.1
		Strength (MPa)	50.0	50.3	50.4
		Elongation (%)	2.6	2.7	2.6
	Breaking point	Load (KN)	1.3	1.3	1.4
		Strength (MPa)	32.7	31.5	35.1
		Elongation (%)	8.5	11.6	6.1
Modulus of Elasticity in tension (MPa)		2,794	2,750	2,848	2,824
Falling ball impact test (50%breaking)	Height (cm)	155.5	156.0		
	Energy (J)	30.5	30.6		
Color of Plastics	L*	84.5	84.1	87.5	87.5
	b*	12.8	12.6	10.7	10.9

As shown above, there is no difference between PATOX-M and PATOX-MK.

*1 phr : Plastic and rubber as the weight of 100, shows a number to the weight of other materials. p=per, h=hundred, r=resin or rubber

* 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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