



张家港丰通化工有限公司

ZHANGJIAGANG FORTUNE CHEMICAL CO., LTD

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税号/VAT No.: 91320582066243769P

## 阻燃剂 FOR GUARD-830R

阻燃剂基本性能对比（软质 PVC 人造革配方，对标三氧化二锑）：

测试项目	控制指标	测试方法	Sb2O3	本品
参考配方			发泡层 8-10phr	表皮层 4-5 phr; 发泡层 10-12 phr
阻燃测试（水平燃烧） <100 mm/min.			SE	SE
粘结牢度	≥ 25 N (MD & CD)	ISO 2411	√	√
表面耐磨	Taber: ≥1500 cycles (1kg)	GMW 3208	√	√
耐化学品	Care Agents: ≥ 4.5 Clean Agents: ≥ 4.5	TL7458356-3.2.14.2	√	√
热老化	GS ≥ 4.0 (100C*336h)	DIN EN20105	√	√
弯折测试	No whitening or crack for R.T (100K) and -20C (30K)	ISO 5402	√	√
环境老化	No cracking, chalking, tackiness, loss of grain, wrinkling, blistering, GS≥ 4.5	GMW 14124	√	√



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## 用途

FOR GUARD-830R 是一款新型、性能优异的无机粉体阻燃剂；产品采用先进的纳米技术，对粉体表面进行处理，跟 溴系阻燃剂一起添加具有良好的阻燃效果；1.5-3.0 份添加量可替代 1 份三氧化二锑在 PVC 制品中使用，可达相同的阻燃效果，不影响力学性能、电气性能，产品可单独使用，也可协同其他阻燃剂使用，在 PVC 革的发泡层及胶水层中添加效果最好

备注：实际使用可根据客户配方自行调节

## 包装

25kg/袋; 900kg/托盘，18 吨/小柜。按一般化学品运输，密封保存，储存于干燥阴凉处，防止受潮，避免阳光

HS CODE: 38249999.99



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## FOR GUARD-830R

Basic performance comparison of flame retardants (soft PVC artificial leather formula, compared with antimony trioxide):

Test Item	Parameter	Test Method	Sb2O3	FOR GUARD-830
	Refer to the recipe		Foam Layer 8-10phr	First Layer 4-5 phr; Foam Layer 10-12 phr
	<b>Flame retardation (horizontal combustion) &lt;100 mm/min.</b>		<b>SE</b>	<b>SE</b>
<b>Bond strength</b>	≥ 25 N (MD & CD)	ISO 2411	√	√
<b>Surface wear</b>	Taber: ≥1500 cycles (1kg)	GMW 3208	√	√
<b>Chemical resistant</b>	Care Agents: ≥ 4.5 Clean Agents: ≥ 4.5	TL7458356-3.2.14.2	√	√
<b>Heating aging</b>	GS ≥ 4.0 (100C*336h)	DIN EN20105	√	√
<b>Bending test</b>	No whitening or crack for R.T (100K) and -20C (30 K)	ISO 5402	√	√
<b>Environmental aging</b>	No cracking, chalking, tackiness, loss of grain, wrinkling, blistering, GS ≥ 4.5	GMW 14124	√	√



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**Application:** FOR GUARD-830R is a novel, high-performance inorganic powder flame retardant developed through advanced nanotechnology. It modifies the surface properties of powders and works synergistically with brominated flame retardants to deliver effective fire resistance. At a dosage of 1.5-3.0 parts per 1 part antimony trioxide, it achieves equivalent flame-retardant performance in PVC products without compromising mechanical or electrical properties. The product can be used independently or in combination with other flame retardants, with optimal results when applied to foam layers and adhesive layers in PVC leather. Note: Adjustments may be made according to customer formulations.

**Packaging:** 25kg/bag, 900kg/pallet, 18MT/20ft FCL. Store as general chemicals in sealed containers in dry, cool environments to prevent moisture and sunlight exposure.