lanpoly鲁聚化学®

FR1200

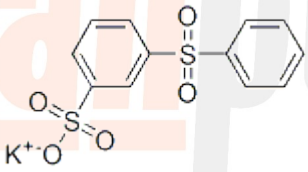
PC Flame Retardant FR1200

FR1200 is a dedicated environmental halogen-free flame retardant for PC. White Powder, main component is sulfonate. It has outstanding thermal stability and electrical characteristics. KSS-FR can be used alone or with organic silicon flame retardant of special structure or with organic phosphate ester flame retardant of high molecular weight, to produce transparent or translucent halogen-free flame retardant PC material.

Product Form

White powder

Application



Molecular Formula: C12H9KO5S2
Molecular Weight: 336.43
CAS NO: 63316-43-8

Add in pure PC (pigment PC) to promote the level of PC flame retardant to UL94 V0 (3.2mm). It's mainly used for granulation and injection molding with no more than 5% filling. KSS flame retardant is of outstanding thermal stability. It is an ideal choice for PC application at high temperature, which won't be replaced by other flame retardant. In addition, it will not be precipitated in all the applications because of its polymer structure.

[Physical Property]

		UNIT	SETTING
SETTING	Proportion	g/cm3	0.75
	Dissolvability	%	20

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Product Functions

Environment-friendly, fluoride-free, no Br, no Cl, no P containing;
Very low additive amount (0.4-1%);
Small effect to the physical properties of PC (10%);
Small effect to transparency (3 units);
Good thermal stability, TGA decomposition temperature (5%) is in 450℃.

Processing Guide

Be directly added during plastic compound extrusion. No temperature requirements.

Quality Guarantee Period & Storage

1 year, store in cool dry and sun block condition

Packaging

Net weight 20Kgs per drum

Safety Data Sheet

Please refer to the MSDS provided by our company.

- Product category code / FR1200
- The data above is the experimental determination value based on our test standard. To ensure the characteristics of the product, please consider other experimental data.

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