



PC Transparent Halogen-free Flame Retardant KSS

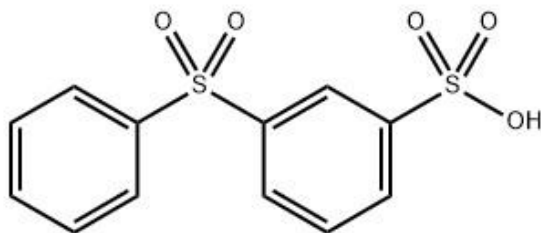
Description:

Chemical Name: Potassium 3-(phenylsulfonyl)benzenesulfonate

Synonyms: Potassium 3-(phenylsulphonyl)benzenesulphonate

Equivalents: FR2025; EF-42;

Molecular Structure:



Molecular Formula: C₁₂H₉KO₅S₂

Molecular Weight: 336.42

CAS NO.: 63316-43-8

EINECS NO.: 264-097-3

Special Features:

KSS is a high heat stable PC additive.

Typical Technical Properties:

Appearance: White powder

DPS (%): 0.5

Moisture (%): 0.5

Fe: 5ppm

SiO₄ (w/w, %): 1.0

Applications:

Used in transparent or translucent halogen-free flame retardant polycarbonate (PC) material (recommended dosage is 0.1~1%, the actual dosage should be adjusted according to the formula. In the PC flame retardant formula, because the addition amount is low, it is very important to disperse evenly, otherwise the effect will be reduced, and a dispersant can be added appropriately. It can also be made into high-concentration masterbatch, and then the masterbatch is pumped together with PC.)

(1) Pure PC halogen-free flame retardant formula (UL-94 V-0/1.6mm):

PC (MFI=6) 99.70%

KSS 0.1%

Anti-dripping 0.2%

(2) PC/ABS (75/25) alloy halogen-free flame retardant (UL 94 V-0/1.6mm):

Only need to use 0.2% HES together, can effectively reduce the amount of RDP, and at the same time, improve the heat resistance and mechanical properties of the alloy compound:

PC/ABS(75/25) 90%

Fyrolflex RDP 10%

KSS 0.2%

PTFE(TF1645,etc) 0.2%

Technical Data Sheet



www.silfluosilicone.com

Package &Storage:

In 20KG/bag or up to clients request.

Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources.

Storage beyond the shelf life does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.