GC BDMP 66 SF

Reaction mass of 1,1’-(isopropylidene)bis[3,5-dibromo-4-(2,3-dibromo-2-methylpropoxy)benzene] and 1,3-dibromo-2-(2,3-dibromo-2-methylpropoxy)-5-(2-[3,5-dibromo-4-(2,3,3-tribromo-2-methylpropoxy)phenyl]propan-2-yl)benzene

Chemical Formula: \( \text{C}_{23}\text{H}_{24}\text{Br}_8\text{O}_2 \)
Molecular Weight: 971.66 g/mol
EC-number: 944-461-4

GC BDMP 66 SF is an efficient flame-retardant for plastics and is designed for use in systems of suspension polymerization (EPS). GC BDMP 66 SF has good thermal stability, is easy dispersible and has good resistance to ultraviolet rays. GC BDMP SF 66 shows also good performance when applied in polyolefins and high impact PS (HIPS). GC BDMP 66 SF does not contain bisphenol A.

PHYSICAL CHEMICAL PROPERTIES

Appearance: White Powder
Bromine Content, %: 65.0 min
Free Brom, ppm: 30 max
Melting Point, °C: 113 ± 3
Volatiles, %: 0.3 max
Density, g/cm\(^3\): 2.079
Total quantity, non-ionic surfactants, ppm: 50 max
Purity test (5 g in 3 ml CH\(_2\)Cl\(_2\)) Neutral Transparent Liquid
Particle size distribution (D\(_{90}\)), µm: 8
TGA (10 mg @ 10°C/min under N\(_2\)) (lit.)

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<tr>
<th>Weight loss</th>
<th>Temperature</th>
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<tr>
<td>5 %</td>
<td>265 °C</td>
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HANDLING AND STORAGE:
The processing and use of GC BDMP 66 SF requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.

GC BDMP 66 SF has to be stored in tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.

PACKAGING:
Standard packaging size of GC BDMP 66 SF is in 25 Kg in plastic bags.

IMPORTANT NOTE
Some plastic additives, fillers or pigments can significantly influence flame retardant properties of the compound. Before using these products, please be informed.
Machine stop at high temperature could create degradation of polymers. Please clean with neutral polymers.

Disclaimer:
Information contained in this document is provided to the best of our knowledge and is considered true as per revision date. We do not accept any liability for loss and damage that may occur from the improperly use of this information and for the use against the safety legal requirements and patent rights. This specification does not release the customer from the obligation to check the product as to its suitability for intended area of usage.

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