GC FRP 30

(5-Ethyl-2-methyl-2-oxido-1,3,2-dioxaphosphinan-5-yl)methyl methylphosphonate

Bis[(5-Ethyl-2-methyl-2-oxido-1,3,2-dioxaphosphinan-5-yl)methyl] methylphosphonate

CAS registry number 41203-81-0
42595-45-9

GC FRP 30 is a phosphorus based flame retardant mixture.
GC FRP 30 was developed for polyester fibers with excellent efficiency and durability.
GC FRP 30 does not create yellowing effects and shows good stability to light and heat.
GC FRP 30 find application in among others polyesters, nylon, coatings and textile.

**PHYSICAL-CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Amber Viscous Liquid</td>
</tr>
<tr>
<td>Phosphorus Content, %</td>
<td>20.0 min</td>
</tr>
<tr>
<td>Acid Value, (mg KOH/g)</td>
<td>4.0 max</td>
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<tr>
<td>Density, g/cm³</td>
<td>1.25 ± 0.2</td>
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</table>

**HANDLING AND STORAGE:**
The processing and use of GC FRP 30 requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.
GC FRP 30 has to be stored in tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.

**PACKAGING:**
Standard pack size of GC FRP 30 is 5, 25, 70 and 200 kg drum.

**IMPORTANT NOTE**
Some plastic additives, fillers or pigments can have a significant influence on flame retardant properties of the end product. Before using this product, 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.