Resorcinol bis(diphenyl Phosphate)(RDP)

**Description**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Name</td>
<td>Resorcinol bis(diphenyl Phosphate)(RDP)</td>
</tr>
<tr>
<td>Equivalent Name</td>
<td>Chemtura Reofos RDP; Supresta Fyrolflex RDP</td>
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<tr>
<td>CAS No.</td>
<td>57583-54-7</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>574.43</td>
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</tbody>
</table>

**Application**

RDP a halogen-free phosphate ester flame retardant used in engineered resins, whose superiority is demonstrated in low volatility and high heat stability that can tolerate high temperature processing required of many engineered resins. It can be recommended as flame retardant for PC/ABS, PPO/HIPS.

**Typical Properties**

- **Appearance**: Transparent to pale-yellow liquid.
- **Color (APHA)**: 80 max.
- **Acid Value (mg KOH/g)**: 0.1 max.
- **TPP content (wt.,%)**: 5.0 max.
- **Water content (wt.,%)**: 0.05 max.
- **Phosphorus content (wt. theory) %**: 10.8
- **Phenol content (ppm)**: 500 max.
- **Viscosity (25°C, mPa·s)**: 500 – 800
- **Density (25°C, g/cm³)**: 1.315±0.010
- **TGA**
  - 5% weight loss: 307°C
  - 10% weight loss: 337°C
  - 50% weight loss: 403°C

These properties are typical but do not constitute a specification either in part or as a whole. Specification data is available on request from sales, customer service or customer technical service.

**Shipping Information**

- Transportation classification: UN 3082 Class 9
- Packing: 250kg/drum, 4Drums/pallet

**More Information**

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