SONGWON is a leading specialist in the stabilization of plastics. Thanks to its excellent physical and chemical properties, SONGNOX® 1330 phenolic antioxidant is successfully used in a wide range of polymer applications. A valuable combination of high processing stability, excellent resistance to extraction and low volatility makes SONGNOX® 1330 the product of choice for numerous specialty as well as standard applications.
Resin producers benefit from SONGWON’s extensive experience in the stabilization of plastics.

SONGNOX® 1330 in a nutshell

Excellent processing stability
Good long-term thermal stability
Low extractability
Reduced water carryover
FDA-approved for indirect food contact applications

Proven reliability

More than 50 years’ manufacturing experience in South Korea
Backward integration of key raw materials
Global sales organization channels

Technical expertise at hand

Global testing laboratory network
Technically advanced, customized stabilizer formulations
Dedicated local support teams

Strong commitment

Continuous innovation to meet new industry standards

With its low volatility, low polarity and excellent dielectric properties, SONGNOX® 1330 specialty phenolic antioxidant generates significant value for resin producers, masterbatchers, compounders and converters.

SONGNOX® 1330

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- is highly suitable for polyolefin water pipes thanks to its resistance to hydrolysis and water extraction.
- is recommended for bi-axially orientated polypropylene (BOPP) applications because it offers wider processing windows and higher line speeds than conventional products.
- is ideal for polypropylene raffia as a result of minimal color development during extrusion and fast tape extrusion line speeds because of less water carryover.
## Storage conditions

The materials should be stored indoors, in closed containers, in a dry place at temperatures between 5 and 40°C. Exposure to direct sunlight should be avoided.

## Shelf life

SONGNOX® 1330 is stable for 36 months, provided it is stored under the conditions described above.

## Products forms

SONGNOX® stabilizers are supplied in powder (PW) or free flow (FF) form.

## Application and benefits

### Polymer

<table>
<thead>
<tr>
<th>Polymer</th>
<th>End uses</th>
<th>Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polypropylene</td>
<td>Tape</td>
<td>Excellent thermal stability and long service life&lt;br&gt;Low water carryover (W-C-O)</td>
</tr>
<tr>
<td>Polyethylene</td>
<td>Cable insulation, pipes, caps</td>
<td>Good color and medium long-term thermal stability</td>
</tr>
<tr>
<td>Polyolefins</td>
<td>Various</td>
<td>Highly effective degradation control&lt;br&gt;No absorption by filler</td>
</tr>
</tbody>
</table>
SONGWON provides customers with warranties and representations as to the chemical or technical specifications, compositions and/or the suitability for use for any particular purpose exclusively in individual written agreements.

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