



Distributed By: R.E. CARROLL INC.  
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.....**SPECIALISTS IN TACKIFIER RESINS**

**Tecknox® HP1010**  
**Hindered Phenolic Antioxidant**  
**Tetrakis [methylene-3-(3.5-di-ter-butyl-4-hydroxyphenyl) propionate] methane**

**TECHNICAL DATA SHEET**

**Tecknox® HP1010** hindered phenolic is a primary antioxidant providing excellent long-term shelf and heat stability by preventing thermo-oxidative degradation during processing and service life. **Tecknox® HP1010** is used in a wide variety of compounds including adhesives, sealants, plastics, synthetic fibers, elastomers, waxes, oils and others typically at levels from .05 to .5%. **Tecknox® HP1010** can be used synergistically with secondary antioxidants, light and UV stabilizers.

	Typical Properties	Specifications
<b>Melting Range</b>	115°C	110°C to 125°C
<b>Ash Content</b>	<0.1%	<0.1%
<b>Molecular Weight</b>	1178	--
<b>% Transmittance @ 425nm</b>	98%	--
<b>% Transmittance @ 500nm</b>	99%	--
<b>Effective Content</b>	99%	98.0-100%
<b>Primary Content</b>	98%	95.0-100%

**CAS NO:** 6683-19-8

**Formula:** C<sub>73</sub>H<sub>108</sub>O<sub>12</sub>

**Compatible** with most polymers and resins including SIS, SBS, natural rubber, butyl rubber, polyolefins, EVA, polyesters, polyurethanes, PVC, polyacetals, polyamides, rosin and hydrocarbon tackifiers and others.

**Solubility @20°C:** Acetone (47%), Benzene (56%), Chloroform (71%), Ethyl Acetate (46%), Methanol (1%), Ethanol (1%), Water (<0.1%)

**FDA status**      **Tecknox® HP1010** meets the requirements of the Code of Federal Regulation Title 21, for the following sections, when used according to the regulations:

175.105          Adhesives  
175.125          Pressure Sensitive Adhesives

**Packaging**          Powder form in 55 Lb cartons

8.16

Statements and recommendations are for guidance purposes only. Teckrez, Inc. makes no guarantees regarding performance in actual adhesive or other formulated products. Responsibility for formulated product performance is solely that of the user.