

Rubber Chemicals for Elastomers

Antidegradants

Antioxidants

Alkylated Phenols / BIS-Phenols

Trade Name	Chemical Name	CAS Registration Number	Non-Staining	Discoloration (Compound)	Comments
Wingstay® L	Butylated reaction product of p-cresol and dicyclopentadiene	68610-51-5	Y	N	Highly active antioxidant with very low volatility and excellent color stability
Wingstay® SP	Styrenated Phenol	61788-44-1	Y	N	Active antioxidant with good activity, persistence, and color properties
Antioxidant 102	4,4'-methylenebis (2,6-di-tert-butylphenol)	118-82-1	Y	Y	A primary antioxidant with low volatility; ensures long term performance at high temperatures

Amino Phenol

Trade Name	Chemical Name	CAS Registration Number	Non-Staining	Discoloration (Compound)	Comments
Antioxidant 103	2,6-Di-tert-butyl-alpha-dimethylamino-p-cresol	88-27-7	N	Y	Unique, primary antioxidant with highly polar chemical structure that provides excellent protection in high heat environments and is used in plastics applications

Antidegradants

Antioxidants (continued)

Benzimidazole					
Trade Name	Chemical Name	CAS Registration Number	Non-Staining	Discoloration (Compound)	Comments
Stangard® 500-A	Amine antioxidant blend	Proprietary Blend	Y	N	Excellent high temperature antioxidant when used in NBR, BR, and CR with excellent resistance to solvents and fuels at high temperatures

Diphenylamines					
Trade Name	Chemical Name	CAS Registration Number	Non-Staining	Discoloration (Compound)	Comments
Wingstay® 29A	Mixed para oriented styrenated diphenylamine	68442-68-2	N	Y	High active, multipurpose antioxidant used for stabilization of synthetic polymers and latices

Quinolines					
Trade Name	Chemical Name	CAS Registration Number	Non-Staining	Discoloration (Compound)	Comments
Kemai TMQ	2,2,4-Trimethyl-1,2-Dihydroquinoline	26780-96-1	N	Y	General purpose high activity, high molecular weight antioxidant good for oxidative and thermal aging

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