



AUROSIN

PEROXIDE CO-AGENT



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Peroxide co-agent is a monomeric or oligomeric system that when used in a peroxide cure system enhances cross – linking. Aurosin Grades of Peroxide Co-agent is used to enhance peroxide curing of elastomeric systems. Synergistic use of co agents and peroxide can result in more efficient use of free radicals and improved cross link density.

Aurosin 6860 & Aurosin 6864

Aurosin range of Peroxide Co-agent are a result of exchange of information with customers, identifying their critical curing problems and requirements and Auropol's efforts through their in-house R&D. They enhance the following properties:

- ◆ Higher modulus
- ◆ Higher hardness
- ◆ Lower viscosity
- ◆ Lower compression set
- ◆ Improved resistance to oils and fuels
- ◆ Improved heat aging
- ◆ Improved dynamic properties
- ◆ Improved rubber to metal adhesion
- ◆ Faster cure
- ◆ Improved peroxide efficiency

Aurosin 6870

This Zinc Free co agent is used for peroxide cured halogenated polymers like Bromobutyl Rubber, CPE, CSM etc.

Advantages

- ◆ Higher Tensile Strength
- ◆ Improves heat ageing
- ◆ Lower Compression
- ◆ Excellent Adhesion
- ◆ Improved Dynamics properties



Properties

	Aurosin 6860	Aurosin 6864	Aurosin 6870
Appearance	Off white powder	Off white to yellowish powder	Off white powder
Specific gravity	1.60 ± 0.05	1.40 ± 0.08	1.28 ± 0.1
Ash content (%)	35 ± 3%	31 ± 3%	25 ± 3%
Volatile content (%) (70°C / 1hr)	1% max	1% max	1% max
pH (2% solution)	5.5 - 6.5	5.5 - 6.5	6.0 - 7.0

Aurosin 6860, Aurosin 6864 and Aurosin 6870 are also available in pre-dispersed polymer bound masterbatches.



Application

Aurosin grades of Peroxide Co-agent is extensively used in rubber products like belts, hoses, cables, rubber rollers, extruded profiles and varieties of moulded products





Information presented above is given on good faith as accurate and reliable is not guaranteed to be so. The figures provided are intended to be guide to expected average values and should not be interpreted as a specification. Any potential application referred to above are not to be construed as recommendations. It is the responsibility of the user to determine suitability for use for any specific purpose.



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