



255 Fountain Street Akron, Ohio 44304-1991
330-535-2100 ♦ 800-321-2260 ♦ Fax 330-535-8947

RUBBER CHEMICALS
-ANTIOZONANTS-

ANTIOZONANT MPD-100

PRODUCT DESCRIPTION:

Antiozonant MPD-100 is a mixed diaryl-p-phenylene type antidegradant. It is a potent antiozonant and anti-flexcracking agent for most diene polymers. MPD-100 gives a persistent, low-level protection when used in conjunction with Antiozonants PD-1 and PD-2 in general purpose diene rubbers.

In polychloroprene MPD-100 is the best form of chemical antiozonant known. Its low volatility and resistance to extraction by oil and grease allow longer service-life products. Combining with waxes helps static ozone protection.

TYPICAL PROPERTIES:

Appearance.	Brown Flakes
Specific Gravity	1.20
Melting Point	93°C, min
Storage Stability.	Over two years when stored in closed containers in cool and dry conditions.

APPLICATIONS:

Like other p-phenylene diamine antiozonants, MPD-100 will discolor and stain. It may also reduce scorch time in certain compounds.

MPD-100 should not be used above 1 phr in natural and polyisoprene polymers, as a bloom will result. As much as 3-4 phr is used in high performance, dynamic polychloroprene products without incompatibility bloom. To reduce bin cure (slow rising viscosity and scorchiness in polychloroprenes), add 1.5 phr of PEG (polyethylene glycol) to CR formulas.

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