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RUBBER CHEMICALS -ANTIOZONANTS-

ANTIOZONANT 70-TBPA

DESCRIPTION:

Antiozonant 70-TBPA is a highly effective non-staining antiozonant for polychloroprene polymers. It can also provide good ozone protection for Nitrile/PVC blends, and polychloroprene blends with Natural Rubber or SBR, containing at least 30% polychloroprene by weight. In combination with ozone protective waxes, Antiozonant 70-TBPA will result in non-staining characteristics for Natural Rubber, synthetic poly-isoprene, SBR, and polybutadiene.

PHYSICAL PROPERTIES:

Chemical Composition.....	unsaturated acetale
Appearance.....	beige to gray flakes
Specific Gravity.....	1.06
Melting Point.....	approx. 194 F
Storage Stability.....	approx. 2 years at 77 F. in excess of 104 F reduces product effectiveness.
Processing.....	practically no effect on compound viscosity and scorch time at recommended usage levels.
Solubility.....	insoluble in water, soluble in acetone, toluene, methylene chloride and ethanol.

GENERAL RECOMMENDATIONS:

Suggested levels of an ozone protective wax and/or antiozonant to achieve greater than 7 days without ozone cracking at 60% elongation.

<u>POLYMER</u>	<u>OZONE LEVEL, PPHM</u>	<u>WAX, PHR</u>	<u>ANTIOZONANT, PHR</u>
Natural Rubber	50	2	4
NR/SBR	50	2	1.5
Polychloroprene	100	0	1.0
CR/NR	400	1	1.0
		or	2.0
CR/SBR	400	2	2.0
		or	2.0

All tests on non-black compounds. Antiozonant 70-TBPA does not provide protection against oxidation, crazing or rubber poisoning. Addition of Antioxidant is suggested to properly protect articles against aging.

x-70-tbpa, MU080598