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RUBBER CHEMICALS -RETARDERS-

RETARDER PX

PRODUCT DESCRIPTION:

Retarder PX is an oil-treated phthalic anhydride. This non-discoloring retarding agent is utilized to reduce scorching of rubber compounds at processing temperatures and is most effective with thiazoles (MBTS, MBT, and ZMBT) or activated thiazole type systems. A typical loading is 0.5 - 1.0 phr. Retarder PX has little retarding effect at curing temperatures and does not bloom with recommended amounts. Phthalic anhydride is acceptable under FDA regulation, 177.2600, rubber articles in contact with food (oil treatment on PX is FDA acceptable as well). PX will also reduce natural rubber reversion.

TYPICAL PROPERTIES:

Appearancewhite flakes
 Phthalic Acid, wt. %0.2 max.
 Specific Gravity1.50

*before oil addition:

Freezing Point, °C.....130.8 min.
 Color, APHA15 max.
 Heat Color (stability), APHA50 max.
 Assay (% Phthalic Anhydride)99.7 min.

CHEMICAL DISPERSIONS:

Retarder PX is also available as **Akroform® PX-75/EPR/P-O** and **Akrosperser® PX-75/EPR/S-O** (“O” indicates orange tint for color identification). This polymeric masterbatch contains 75% Retarder PX and has a specific gravity of 1.27. Polymer bound or encapsulated dispersions are a proven means of upgrading plant safety, efficiency, quality and raw material control.

gpb 2/17, 1-retarder px

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