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PO Box 40647, Cleveland, Johannesburg, 2022, South Africa

POLYMER REPLACING BRONZE BUSHINGS IN SCREW CONVEYORS

Farmers demand that their equipment work as hard as they do. Time spent repairing it is money lost. Instead of lubricating bronze screw conveyor hanger bushings every six months, many are turning to Hitemp 150. This advanced polymer is known for its high temperature tolerance, low friction qualities, wear resistance and reduced maintenance.

Hitemp 150 is an internally-lubricated material designed to operate continuously in wet or immersed conditions up to 250° F, and in dry conditions up to 300° F. The innovative polymer is highly abrasion-resistant, unaffected by alkalis and impact-resistant, qualities needed throughout agriculture, and within the sugar industry especially.

Masseccuite, the hot, gritty, viscous mixture sugar producers have to contend with during crystallization, is tough on equipment. It wears almost everything it comes in contact with. In a recent test, one of six lubricated bronze screw conveyor hanger bushings was replaced with Hitemp 150. After two years of operation, the five bronze bushes had failed, yet the Hitemp station was unaffected and singularly supporting the full shaft load. Hitemp 150 is available as rods, plates and bushes in easily-machined raw materials, or as customer-specified finished, machined parts.

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