Have you used these PELLETS as a wet-end additive?

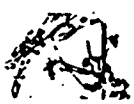


These pellets of Union Carbide high-purity asbestos burst into short, non-abrasive fibers when added to a pulper or beater. The fibers disperse uniformly throughout the pulp and give these improvements and cost savings:

over 100 Mills have ...

IMPROVED PITCH CONTROL

Union Carbide asbestos effectively prevents pitch buildup. In this way, it helps keep cleaner felts and fourdrinier wires, reduces machine breaks and down time, and reduces rejections for paper blemishes. Several mills with severe pitch problems have found that 1% asbestos keeps pitch harmlessly dispersed throughout the sheet.



EFFECTIVE TiO_2 EXTENDER

Asbestos improves opacity by optimizing the light-scattering efficiency of TiO_2. Thus, higher opacity can be obtained at lower TiO_2 levels, reducing TiO_2 costs. A typical mill reduced TiO_2 content of its sheet from 10.6 to 6.3% without any loss of opacity.



IMPROVED RETENTION OF FURNISH

Positively charged asbestos strongly attracts negatively charged pigments and fillers. A typical mill improved TiO_2 retention from 65.5 to 88% with 2% asbestos and saved $3.60 per ton. Another improved single-pass retention of all fillers by 21% with 3% asbestos. Also, the large surface area of asbestos readily absorbs dyes, improving retention and reducing two-sidedness.



INCREASED SOFTNESS

Tissues and towels containing Union Carbide asbestos have improved softness. One mill increased softness of towels by 20% with 3% asbestos. It also improved wet tear and per cent stretch. Another mill used asbestos to replace hardwood with stronger softwood without sacrificing quality. The change also netted significant savings in furnish costs.



BETTER SAVEALL EFFICIENCY

With asbestos in the saveall, mills have improved their recoveries of solids. Improvements have been made in flotation, filtration, and sedimentation types of savealls. One mill increased saveall recoveries from 74 to 93%, saving $27,000 per year. By discharging a clearer effluent, it also reduced river pollution.

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