

FLEX-LAG® FULL CERAMIC Pulley Lagging

The Reliable Solution For Belt Slippage

Flex-Lag® Ceramic Pulley Lagging is the reliable solution for belt slippage problems that conventional rubber lagging often can't correct. In fact, with 80% tile coverage, it features the highest coefficient of friction available in lagging materials – two to three times the friction of rubber in wet, muddy, or dry conditions.



High-performance design

Flex-Lag® Ceramic Pulley Lagging is constructed from hundreds of individual ceramic tiles molded into a durable rubber backing. Each tile features a raised profile of molded ceramic buttons. Under normal belt compression, thousands of molded ceramic buttons grip the belt's underside, for positive traction and no slippage.

Plus, the unique design of the buttons eliminates the sharp, abrasive edges associated with ordinary ceramic lagging and helps ensure increased belt life.

Easy installation

Flex-Lag® installation saves time because it doesn't require removing the pulley from the conveyor system! The Flex-Lag Ceramic application requires only a time- and labor-saving cold vulcanization process. So it installs easily on-site. Simply determine the number of continuous-pattern strips needed to cover the pulley (see Strip Selection Chart on back) and apply. High waste factors encountered with conventional sheet materials are eliminated.



FLEX-LAG® CERAMIC

Pulley Lagging

| Strip Selection Chart | | |
|------------------------------|--------------|------------------------|
| Pulley Diameter | | Strips Required |
| in | mm | |
| 12.0 to 12.5 | 305 to 319 | 5 |
| 12.6 to 15.0 | 320 to 381 | 6 |
| 15.1 to 17.5 | 382 to 445 | 7 |
| 17.6 to 20.0 | 446 to 510 | 8 |
| 20.1 to 22.5 | 511 to 573 | 9 |
| 22.6 to 25.0 | 574 to 636 | 10 |
| 25.1 to 27.5 | 637 to 700 | 11 |
| 27.6 to 30.0 | 701 to 764 | 12 |
| 30.1 to 32.5 | 765 to 826 | 13 |
| 32.6 to 35.1 | 827 to 891 | 14 |
| 35.2 to 37.6 | 892 to 955 | 15 |
| 37.7 to 40.1 | 956 to 1018 | 16 |
| 40.2 to 42.6 | 1019 to 1082 | 17 |
| 42.7 to 45.1 | 1083 to 1145 | 18 |
| 45.2 to 47.6 | 1146 to 1210 | 19 |
| 47.7 to 50.1 | 1212 to 1273 | 20 |
| 50.2 to 52.6 | 1275 to 1336 | 21 |
| 52.7 to 55.1 | 1339 to 1400 | 22 |
| 55.2 to 57.6 | 1403 to 1463 | 23 |
| 57.7 to 60.1 | 1466 to 1527 | 24 |
| 60.2 to 62.6 | 1529 to 1590 | 25 |
| 62.7 to 65.1 | 1593 to 1654 | 26 |
| 65.2 to 67.6 | 1656 to 1717 | 27 |
| 67.7 to 70.1 | 1720 to 1781 | 28 |
| 70.2 to 72.7 | 1783 to 1847 | 29 |

| Coefficients of Friction (Pressure on surface 3 kg/CM(2) V=50 M/Min.) | |
|---|--------------------------------------|
| Condition | Flex-Lag® Ceramic Lagging |
| Dry | 0.74 to 0.83 |
| Wet | 0.48 to 0.78 |
| Wet with Mud | 0.42 to 0.51 |

Note: a dry, bare steel or iron pulley has a coefficient of friction of approximately .25

Flex-Lag® can be ordered directly from stock in standard strip lengths and easy-to-handle rolls. The 7.875 (200 mm) wide strips can be custom fit on-site for any size pulley. Custom lengths are available through special order.

| Ordering Information | | | | |
|-----------------------------|-----------|--------------------|-----------|------------------------|
| Flex-Lag® Ceramic | | | | |
| Belt Width | | Pulley Face | | Ordering Number |
| in | mm | in | mm | |
| 18 | 450 | 20-39 | 500-975 | CN18(34) |
| 24 | 600 | 26-39 | 650-975 | CN24(39) |
| 30 | 750 | 32-53 | 800-1325 | CN30(46) |
| 36 | 900 | 38-59 | 950-1475 | CN36(51) |
| 42 | 1050 | 44-59 | 1100-1475 | CN42(59) |
| 48 | 1200 | 51-78 | 1275-1950 | CN48(63) |
| 54 | 1350 | 57-78 | 1425-1950 | CN54(71) |
| 60 | 1500 | 63-98 | 1575-2450 | CN60(79) |
| 72 | 1800 | 75-98 | 1875-2450 | CN72(90) |
| 84 | 2100 | 87-118 | 2175-2950 | CN84(118) |



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