

# FLEX-LAG® FULL CERAMIC Pulley Lagging

## A Reliable Solution for Belt Slippage

Flex-Lag Full 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. Also, a labor-saving cold vulcanization process makes on-site installation fast, simple and efficient.

*No wasted ceramic with easy to specify dimensions by using pulley or belt width*

*Constructed from hundreds of individual ceramic tiles molded into a durable rubber backing*



*Horizontal grooves trap and deflect water*

*Molded ceramic buttons grip the belt's underside, for positive traction and no slippage*



### Features and Benefits

- **Easy to use.** The in situ installation of Flex-Lag eliminates the need to remove the pulley from the conveyor system, meaning less conveyor downtime.
- **Works on a Range of Pulleys.** Flex-Lag Full Ceramic comes in strip widths from 34" (850mm) to 103" (2575mm) to match up with pulley face widths or 18" (450mm) to 84" (2100mm) to match up with belt widths. Also works with pulley diameters ranging from 12.6" to 72.6" (320-1844mm). See step-by-step instructions and Strip Selection Guide to apply.
- **Available with FRAS approved rubber.** The Flex-Lag Full Ceramic are available in both natural and FRAS (Fire Resistant Anti Static) rubber. Other special options include Nitrile Oil Resistant and various thickness options.

# FLEX-LAG® FULL CERAMIC

## Pulley Lagging

### Specifications and Guidelines

- **Temperature Rating**  
5°F to 185° F (-15° C to 85° C)
- **FRAS (Fire Resistant Anti Static) MSHA Certification # - MSHA NO. IC-190**  
(see special offerings below)

#### Step-by-Step selection instructions

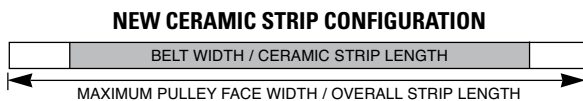
**Step 1:** Measure the belt width, pulley width and pulley diameter.

**Step 2:** Using the belt or pulley width, see the Ordering Information and New Ceramic Strip Configuration to select the strip size.

**Step 3:** Using the pulley diameter, see Strip Selection Chart to determine the number of strips you will need to lay lengthwise across the pulley.

Strip Selection					
Pulley Diameter		Strips Required	Pulley Diameter		Strips Required
in.	mm		in.	mm	
12.6-15.0	320-381	6	42.6-45.0	1083-1145	18
15.1-17.5	382-445	7	45.1-47.5	1146-1210	19
17.6-20.0	446-510	8	47.6-50.1	1211-1273	20
20.1-22.5	511-573	9	50.2-52.6	1274-1336	21
22.6-25.0	574-636	10	52.7-55.1	1337-1400	22
25.1-27.5	637-700	11	55.2-57.6	1403-1463	23
27.6-30.0	701-764	12	57.7-60.1	1466-1527	24
30.1-32.5	765-827	13	60.2-62.6	1529-1590	25
32.6-35.0	828-891	14	62.7-65.1	1593-1654	26
35.1-37.5	892-955	15	65.2-67.6	1656-1717	27
37.6-40.0	956-1018	16	67.7-70.1	1720-1781	28
40.1-42.5	1019-1082	17	70.2-72.6	1783-1844	29

Coefficients of Friction	
Condition	Flex-Lag Ceramic
Dry	0.74 to 0.83
Wet	0.48 to 0.78
Wet with Mud	0.42 to 0.51



### Ordering Information

Flex-Lag Ceramic (w/Natural Rubber Base) - 1/2" (12.7mm) Thick							
Belt Width		Maximum Pulley Face Width		Ceramic Strip Length	Overall Strip Length	Ordering Number	Item Code
in.	mm	in.	mm				
18"	450	34"	850	18"	34"	CN18(34)	71111
24"	600	39"	975	24"	24"	CN24(39)	71112
30"	750	46"	1150	30"	30"	CN30(46)	71113
36"	900	51"	1275	36"	51"	CN36(51)	71115
42"	1050	59"	1475	42"	59"	CN42(59)	71116
48"	1200	63"	1575	48"	63"	CN48(63)	71039
54"	1350	71"	1775	54"	71"	CN54(71)	71126
60"	1600	79"	1975	60"	79"	CN60(79)	71127
72"	1800	90"	2250	72"	90"	CN72(90)	71042
84"	2100	103"	2575	84"	103"	CN84(103)	71129
84"	2100	118"	2950	84"	118"	CN84(114)	71167

Special Offerings	
Product	Price Compared to Natural Rubber
FRAS Compound (Flame Resistant Rubber)	+7 1/2%
Nitrile Oil Resistant	+20%
15mm Thickness (natural)	+5%
20mm Thickness (natural)	+7 1/2%

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