

# TEL – HR

## HEAT RESISTANT MEDIUM DUTY APPLICATIONS

It is a pre-moulded rubber sheet made from proprietary formulations combining Heat and Abrasion Resistance properties from blends of Synthetic with Natural rubber.

The sheets come with a special bonding layer to achieve enhanced rubber to metal adhesion during application. The sheets are available in plain, diamond and button profile.

TEL-HR sheets do not have resistance to oil and grease and no fire retarding properties.

### APPLICATION

Ideal for lagging of pulleys in Cement and Steel Plants, subjected to Elevated temperatures with Medium duty wear applications.

### Standard Sizes :

Product Code	Thickness (mm)	Width (m)	Length (m)
Plain Pattern	3 to 20	1 to 2	2 to 10
Diamond Groove Pattern	6 to 20	1 to 1.2	2 to 10
Button Pattern	10 to 20	1	2

Note: Sheets of other sizes can be available on specific requests.

Please Note : Generally the plain sheets come with a knurled finish. All dimensions are subject to Tolerance of +/- 10% as per ASTM D412.

### Adhesive Systems

Primer : TPR – 1400

Adhesive System : TN9100 & HCR ( prescribed for elevated temperature application )

### Shelf Life

12months @ less than 20°C

### Surface Preparation

Ideally the Steel surface must be blasted to a metallic white finish. A preparation degree of Sa2½ as specified in DIN EN ISO 12944-4 and a roughness degree of “medium (G)” as specified in DIN EN ISO 88503-1 must be achieved. The blasted surface should be primed immediately.

Alternatively, the pulley surface may be sanded with a angle grinder or sanding machine, to get a clear and rough surface.

### Technical Specification

#### (Cmpd Cd: TEL 376)

Shore hardness	65 +/- 5°A
Elongation at break (min)	500%
Specific Gravity	1.17 +/- 0.02
Tensile Strength (min)	150 Kg/Cm <sup>2</sup>
DIN Abrasion Loss (max)	125 mm <sup>3</sup>
Colour	Black

### Application Procedures:

Spread the Primer on the substrate and then apply 2 coats of Adhesive on the metal and onto the rubber sheet. The first coat is allowed to dry completely. The second coat may be applied and allowed to sufficiently touch dry only. At this point, the coated surfaces shall appear to be full dry but still exhibit tacky property required for closing the bond. The coated rubber sheet is then to be uniformly and firmly pressed down on to the metal surface and consolidated using hand tools, in order to achieve good bonding during the curing process.

### Health & Safety

Adequate ventilation shall be provided during execution of work. All vapors that are produced during the execution of the lining should be continuously suctioned off at the bottom level. Follow specific instructions if any.

\* For more information please contact your nearest Thejo representative.

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