

## General Purpose

- Grade M-24 conforming to IS:1891 (Part I) 1988 is suitable to withstand high resistance to cutting, tearing etc. In heavy duty applications for highly abrasive materials like metallic ores, coke, stone, rocks etc.
- Grade N-17 conforming to IS:1891 (Part I) 1988 is recommended to carry moderately abrasive materials as coal, fine ores, cement, sand etc.

## Heat Resistance

- Grade HR (T1) conforming to IS:1891 (Part 2) 1988, suitable for carrying hot coarse materials upto 125°C and hot fine materials upto 100°C.
- Grade SHR (T2) conforming to IS:1891 (Part 2) 1988, suitable for carrying hot coarse materials upto 150°C and hot fine materials upto 100°C.
- Grade SHR 180 provides excellent heat resistance and moderate abrasion resistance characteristics & is recommended upto 180°C for coarse and 150°C for fine material.

## Oil Resistance (O.R)

Grade O.R conforming to Is:1891 (Part 3) 1988 is suitable for carrying materials which leave residues of fat and oil.

## Grade Hygenic

**Conforms to IS :1891 (Part 4) 1988** and is suitable for conveying tea, coffee, food products & pharmaceuticals.

## Fire Resistant

Grade FR - Fire resistance belting has been developed to meet Indian and Canadian standards specifications. This grade is specially meant for conveying coal in thermal power stations where fire hazards exist.

## Flame Resistant

This belt is designed to prevent fire risks in coal mines where is not easily accessible and to reduce maintenance of the conveyors. The important characteristic is self-extinguishable cover rubber and meet drum friction test. It is suitable for serving in mining industry, power plant, electric utilities, coal cleaning plants

Properties of cover Grades (As per IS: 1891)

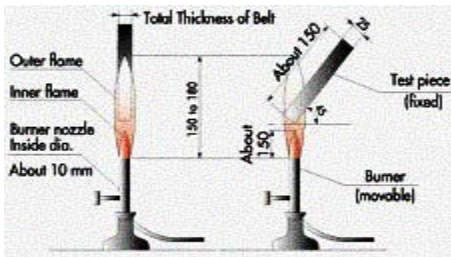
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<b>Grade</b>	<b>conforming to IS:1819 (1988)</b>	<b>Tensile Strenght</b>	<b>Percentahe Elongation at break (Minimum)</b>
M-24	Part I	24.0	450
N-17	Part I	17.0	400
HR (T1)	Part 2	12.5	350
SHR (T2)	Part 2	12.5	350
SHR (180)		12.0	350

OR	Part 3	12.0	25.0
Hygenic	Part 4	10.0	35.0
FR	Part 5	15.0	350

**Cover Grades as per DIN Standards**

Grade	Standard	Breaking Strength (N/mm <sup>2</sup> ,Min.)	Elongation at break (%Min.)	Adrasion (mm <sup>3</sup> , Min.)
X	22102 : 1991	25	450	120
V	22102 : 1991	20	400	150
Z	22102 : 1991	15	350	250



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X	22102 : 1991	25	450	120
Y	22102 : 1991	20	400	150
Z	22102 : 1991	15	350	250