



MAXX SURYA - (Surya: (Hindi noun)the Sun, symbolizing heat) (HEAT RESISTANT BELTS)

Product Feature:

MAXX SURYA belts are suitable for carrying high temperature material, such as sinter, hot ash, clinker, foundry sand etc., MAXX SURYA has a wide range of Heat Resistant conveyor belts which we recommend depending not only on the thermal load on the belt, but also based on the following factors:

- Nature and composition of material.
- Average and peak temperature of material to be conveyed.
- Length of conveyor.
- Rate of cooling of material.
- Belt speed.
- Surface temperature of material at discharge end.
- Shape, size and coarseness of material.
- Thickness of top cover.

Thus often the selection of the right grade of Heat Resistant belts dictates the performance of the belt. We have worked extensively to offer our customers the best suitable grades of these belts and as a result of our continuous R&D, we have been very successful with our MAXX SURYA 4 belt. This belt is a full EPDM belt with low abrasion covers offering a holistic solution to an application, which is considered to be the most rigorous in the belt industry.

Benefits of MAXX SURYA:

- General Purpose belts are only suitable for use where belt surface temperature is close to ambient temperature with a max. material temperature of 80°C. Comparitively, MAXX SURYA endures temperatures **up to 220°C**.
- MAXX SURYA does not fail prematurely due to hardening, crack formation or adhesion failure.
- Enhanced belt life.



Product Characteristics:

Common Widths	: 500 to 1800 mm
Carcass Variety Available	: EP / NN / PP
Common Belt Rating	: 400/3 , 500/3 , 630/4, 800/4 or any other ratings as per customer's choice.
Rubber Cover Compounds	: Refer table (P.T.O.)
Rubber Covers Thickness	: 3 - 6 mm on top and 2 - 3 mm on bottom
Rubber	: Black
Surface Finish	: Smooth both sides
Edge	: Mainly Cut Edge, Molded Edge on request
Splicing Method	: Hot splice joint / Mechanical splice (We recommend our MAXX SPLICE compounds for hot splicing)
Packing Available in	: Cassette / Single Roll
Belt Identification	: Unique Product Identification Number (PIN) at every 10m.

MAXX SURYA
Heat Resistant



Types of MAXX SURYA:

Sr. No	Heat Resistant Type	Type of Rubber	Type of Rubber Used	Working Temperature °C	Max Peak Temperature °C	Belt Surface Temperature °C	Tensile Strength (Mpa)	Elongation at Break (%)	Abrasion Loss (mm ³)	After ageing, % Variation of TS and EB
1	MAXX SURYA 1	SBR / NR based	High Abrasion Resistance , suitable at low to medium temperature for carrying Coke, Lime Stone, Casting Sand etc.	80-100	120	60-100	20.0	450.0	130.0	- 25% & -40% after 72 hrs at 100 °C
2	MAXX SURYA 2	SBR based	Good Abrasion Resistance, suitable for medium temperature used to carry Coke, Lime Stone, Casting Sand etc.	80-125	150	60-125	17.0	400.0	150.0	- 35% & -50% , after 72 hrs at 125 °C
3	MAXX SURYA 3	EPDM / SBR based	Excellent Heat Resistance, designed to carry hot load of material like Cement, Clinker, Lime Stone, Clay etc. This belt has non-cracking property .	80-150	180	60-150	10.0	350.0	170.0	- 40% & -55% after 72 hrs at 150 °C
4	MAXX SURYA 4	EPDM Based,	Extreme Heat Resistance, non hardening and non cracking, designed to handle Hot Sinter, Hot Clinker, Hot Chemicals, Phosphates, Fertilizers etc.	80-180	220	60-180	9.0	450.0	130.0	- 40% & -55%, after 168 hrs at 150 °C