FENNER DUNLOP

CONVEYOR BELTING AUSTRALIA

WORLD'S LEADING BRANDS IN CONVEYING SOLUTIONS

APEX HeatMaster

The belting you need when the heat's really on

Apex HeatMaster heat resistant conveyor belts have been designed specifically for the transportation of high-temperature raw materials and products in iron and steel mills, smelters, cement plants, fertiliser plants and to operate under high temperature conditions in many other industries.

The **Apex HeatMaster** range has been specially developed to cover a wide variety of industrial applications requiring belting that not only exhibits excellent physical properties, but also provides great resistance to high temperatures.

To extend your belt life, we recommend the use of heat resistant belts wherever the temperature of the transported material exceeds 60°C.

When the heat is on, **Apex HeatMaster** is the range to turn to – whether you need belts that will:

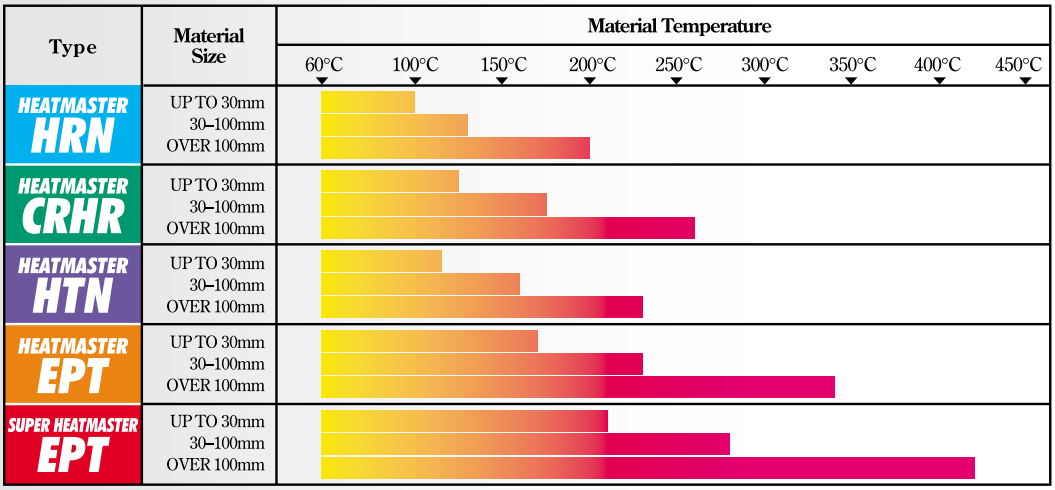
- carry materials at temperatures over 400°C
- provide greater abrasion resistance than mining belting (with heat resistant properties as well)
- resist chemical attack at high temperature; or
- offer mild heat resistance at extremely economical cost

As part of the Apex Stock Belt Range these belts are normally available from existing floor stock, so contact your local branch or distributor.

Typical applications for heat resistant belts and temperature of transported material

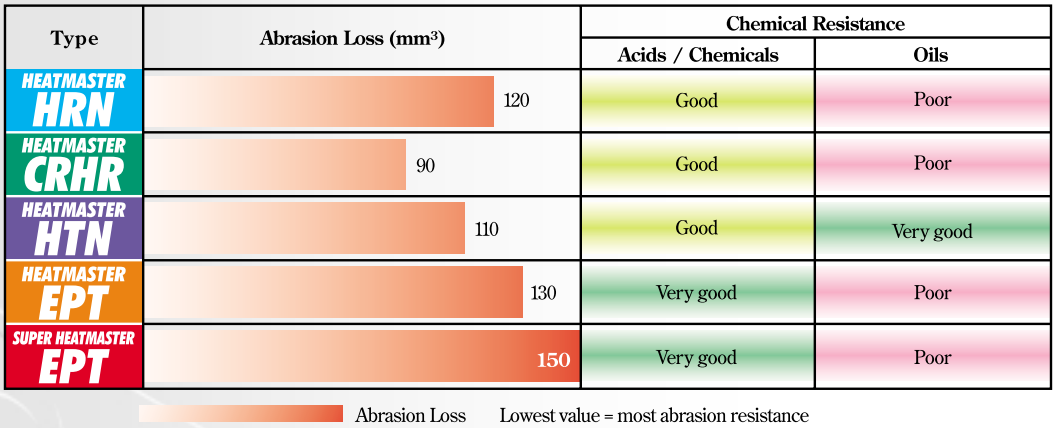
Application	Transport Material	Material Temperature (°C)
Iron/steel mill	Sintered ore	100 – 400
Iron mill, gas factory	Coke	60 – 150
Smelting plant	Sintered ores, powdered minerals	60 –400
	Clinker	80 – 400
Cement works	Dried clay, limestone	40 – 200
	Cement	70 – 130
Soda factory	Soda ash	90 – 160
Chemical plant	Fertilisers	70 – 150
Industrial plant	Chemicals, high temperature dried products	60 – 200

MAXIMUM TEMPERATURE VS. TRANSPORTED MATERIAL SIZE



Some heat resistant rubbers may harden and crack after long term heat exposure.
Where cracking of belt covers could cause operational problems – refer Fenner Dunlop.

ABRASION AND CHEMICAL RESISTANCE



Chemical resistant data is offered for general guidance only.
For specific recommendations for particular chemical environments – refer Fenner Dunlop.

Apex HeatMaster CRHR – up to 260°C

Carcass Designation	Cover Thick mm	Working Tension Spliced kN/m	Working Tension Fastened kN/m	Belt Mass kg/m²	Belt Gauge mm	Min. Pulley Diameters Type A mm	Type B mm	Type C mm	Elastic Modulus kN/m	Stock Width mm	Load Support* 800 kg/m³ mm	1600 kg/m³ mm	2400 kg/m³ mm
PN500/3	6x2	40	40	13.3	11.3	500	400	315	6300	1500	1100	800	600
Apex HeatMaster HTN – up to 230°C													
PN450/3	4.5x1.5	40	40	11.5	9.3	500	400	315	6300	600-1800	1100	800	600
Apex Super HeatMaster EPT – up to 420°C													
PN500/3	6x2	40	40	13.3	11.3	500	400	315	6300	600-1800	1100	800	600

* Maximum width for material density to

Note: The HeatMaster stock range covers only a limited number of specifications due to heat applications often being very unique. When this happens we are able to manufacture a custom made Apex ply belt to meet your needs in 6-8 weeks.