

Get the Facts on

HIGH TEMPERATURE BELTING

High Temperature belting demonstrates excellent heat and abrasion resistance proven to extend belt life when used in the proper application.

SBR: -25F to 250F

MOR: -20F to 200F

Butyl: -65F to 300F

EPDM: -20F to 400F



The upper temperature extreme rubber can endure for an extended period of time before hardening, cracking and failing is approximately 400F – 450F.

Material Temp/Belt Temp Examples:

Material Carried	Lump Size	Material Temperature	Belt Surface Temperature
Sintered Ore	1" to 8"	390F to 750F	270F to 300F
Coke	4" to 8"	160F to 210F	120F to 140F
Clinker	.4" to 1.2"	210F to 410F	210F to 230F
Cement	Powder	210F to 250F	170F to 190F
Molding Sand	N/A	390F to 480F	170F to 190F

Belt temperature, not material temperature, determines uncharacteristic compound heat fatigue. If the material transported is 450F but the belt maintains a temperature of 350F the rubber compound should not fatigue uncharacteristically due to heat. Due to exposed surface area, there is a correlation between lump size of material and the amount of heat transferred from the material to the belt.

Belt Specifications

Part #	Description	Ply	Nominal OAG	Comp.	Min. Pulley	Temperature Range	
						Peak Material Temp for a Short Period	Average Material Temperature
5-2733	220 3/16 x 1/16 HT	2	.360"	EPDM	12" to 16"	Lumps: 650F to 700F	Lumps: 550F to 650F
						Fines: 450F to 500F	Fines: 300F to 400F
5-3733	330 3/16 x 1/16 HT	3	.410"	EPDM	14" to 18"	Lumps: 650F to 700F	Lumps: 550F to 650F
						Fines: 450F to 500F	Fines: 300F to 400F

Mulhern Belting's High Temperature Belting features a durable EPDM blend compounded for extreme heat resistance. Our carcass material is also treated to resist heat aging. NOTE: The carcass will not withstand a super-heated 'burn-through' or 'hot-shot.'

Do NOT use High Temperature belting in applications where the belt is exposed to powdered materials over 350F, oil (other than vegetable oil) or where a flame resistant (MSHA) belt is required.

Contact your inside or outside sales person for a quote or more information today!

Phone: 800-253-6300 | mulhernbelting.com
Fax: 201-337-6540 | sales@mulhernbelting.com



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