

# ASGCO®

Complete Conveyor Solutions

## SUPER-K™ HEAT BELT



ASGCO®'s **Super-K™ Heat Belt** is designed for high temperature applications as seen in the cement manufacturing process, refineries, ash handling, fertilizers and other demanding environment, high temperature applications. This conveyor belt is unlike any other in the industry. The unique combination of quality high temperature resistant EPDM (HT2™) cover compounds and our single unit straight warp fabric that is weaved with DuPont™ Kevlar® reinforcement, make this conveyor belt ideal for high temperature, tough applications.

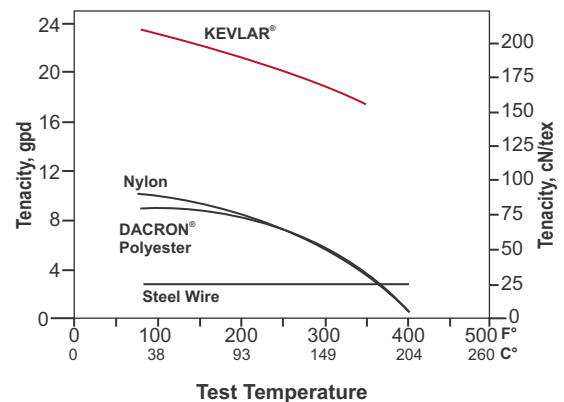
### FEATURES AND BENEFITS

ASGCO® has given attention to offering superior heat resistant belts where the EPDM rubber compounds and the carcass reinforcements have been combined to address virtually every abusive application involving conveying of hot material.

Conventional EPDM heat belts fail, due to the traditional EP (polyester/nylon) fabrics that shrink and degrade under high temperatures causing the conveyor belt to shrink in the middle (material path) and or become wavy on the outside edges of the conveyor belt. ASGCO's straight warp fabric that is weaved with high-temperature DuPont Kevlar reinforcement, is able to withstand temperatures much greater than traditional fabrics. Kevlar® is inherently flame resistant—protecting against thermal hazards up to 800° degrees Fahrenheit. Additionally, Kevlar® fibers won't melt, drip, or support combustion.

ASGCO's high-temperature resistant HT2™ (EPDM) over compounds offer the heat protection and abrasion resistance needed for high-temperature applications. HT2 cover compound will prematurely not harden and crack as seen in other types of high-temperature conveyor belts.

### CARCASS TYPES



It is a fact that most failures in high heat applications commence with rubber covers ageing prematurely and this is followed by fabric plies giving way. This is due to limitations in the thermal properties of conventional polyester and nylon fabrics which tend to soften and melt when the core of the belt reaches temperatures exceeding 302°F. At these temperatures there is a sharp drop in the strength of the belt and blow holes and joint failures are witnessed.

### Super-K™ Cover Grade Chart

Heat Resistant	Type of Rubber	Product Characteristics	Working Temperature	Maximum Peak Temperature	Belt Surface Temperature	Minimum Tensile Strength (PSI)	Minimum Elongation at Break (%)	Maximum Abrasion Loss (mm)	% Change in Tensile Strength and Elongation at break after heat ageing at
Super-K™	EPDM Based	Extreme Heat Resistance, non hardening and non cracking, designed to handle Hot Sinter, Hot Clinker, Hot Chemicals, Phosphates, Fertilizers etc.	180° - 400°	500	180° - 400°	1500	450	150	300°F, 168 hrs; -40%, -55%

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