

U.S. RUBBER CORP.

DESIGNED FOR THE POWER
GENERATION INDUSTRY

POWER-GEN
110, 150, & 200

Heavy Duty Conveyor Belts

Manufactured in USA

U.S. RUBBER CORP.

FUEL SERVICE PREFERRED



U.S. RUBBER CORP. CONVEYS YOUR COAL FROM THE MINE AND INTO YOUR POWER GENERATION FACILITY

U.S. RUBBER CORP. POWER-GEN MSHA Flame retardant compounds designed for use in underground applications where **MSHA 30 CFR Part 14** requirements must meet. Used in all underground coal applications the United States of America.

FR Flame retardant compound designed for use in above Ground **surface** applications where flame retardant conveyor belt is needed. Our compound meets the old MSHA G-2 compound.

*****DO NOT USE IN BELOW GROUND COAL APPLICATIONS*****

POWERGEN CONVEYERS ARE RESISTANT TO DUST SUPPRESSANTS

- Minimum pulley diameters are dependent on the type of splice, fastener used, belt tension and belt tension required.
- Troughability and Load Support can be dependent on cover gauges and compounds used.
- Impact rating is based on the use of proper rubber impact idlers or bed plus proper loading and transfer conditions. Rating are based on 10% lumps and 90% fines or sized material up to 4" lumps. If proper impact idlers or beds are not used, impact rating is downgraded by half or less depending upon the conditions.

U.S. RUBBER CORP.

LOAD STAR SPECIFICATION

LOAD STAR	FABRIC STYLE	LOAD STAR 110			LOAD STAR 150				LOAD STAR 200				
SPECIFICATIONS	BELT STYLE	2-220	3-330	4-440	2-300	3-450	4-600	5-750	2-400	3-600	4-800	5-1000	6-1200
Number of Plies		2	3	4	4	3	4	5	2	3	4	5	6
Working Strength PIW	Mechanical	220	330	440	300	450	600	750	400	600	800	1000	1200
Rating pounds PIW	Vulcanized	220	330	440	330	500	660	830	440	660	880	1100	1320
Approx. Carcass Gauge		.116	.165	.215	.160	.206	.280	.354	.163	.225	.300	.379	.453
Approx. Carcass Wt. PIW/ft		.060	.080	.115	.105	.115	.152	.192	.105	.115	.152	.194	.235
Average Cover Wt. per 1/16"	Gauge PIW/ft.	.033	.033	.033	.033	.033	.033	.033	.033	.033	.033	.033	.033
Impact Rating (Foot-Pounds)		460	665	875	680	994	1310	1497	805	1000	1135	1220	1290
CONVEYOR BELT CRITERIA													
MINIMUM PULLEY DIAMETER													
81-100% TENSION		16"	18"	24"	16"	22"	28"	30"	18"	24"	30"	36"	42"
61-80% TENSION		14"	16"	20"	14"	18"	22"	24"	16"	20"	24"	30"	36"
UP TO 60% TENSION		10"	12"	16"	12"	16"	20"	20"	14"	18"	20"	24"	30"
MINIMUM BELT WIDTH FOR EMPTY BELT TROUGHING													
20 Degree Idlers		16"	24"	30"	18"	24"	30"	36"	24"	30"	36"	42"	48"
35 Degree Idlers		18"	24"	30"	24"	30"	36"	36"	30"	30"	36"	42"	48"
45 Degree Idlers		30"	30"	36"	24"	30"	36"	42"	30"	36"	42"	48"	54"
MAXIMUM BELT WIDTH FOR LOAD SUPPORT													
20 Degree Idlers	0-40 #/CU.FT.	54"	66"	72"	72"	72"	72"	72"	66"	72"	72"	72"	72"
	41-80 #/CU.FT.	42"	60"	72"	60"	66"	72"	72"	60"	72"	72"	72"	72"
	81-120 #/CU.FT.	42"	54"	72"	54"	60"	72"	72"	54"	72"	72"	72"	72"
	Over 120 #/CU.FT.	36"	48"	60"	48"	54"	66"	72"	48"	60"	72"	72"	72"
35 Degree Idlers	0-40 #/CU.FT.	48"	60"	72"	60"	66"	72"	72"	66"	72"	72"	72"	72"
	41-80 #/CU.FT.	42"	54"	66"	54"	60"	72"	72"	60"	60"	72"	72"	72"
	81-120 #/CU.FT.	36"	48"	60"	48"	54"	66"	72"	54"	60"	72"	72"	72"
	Over 120 #/CU.FT.	30"	42"	54"	42"	48"	60"	66"	48"	54"	60"	66"	72"
45 Degree Idlers	0-40 #/CU.FT.	48"	54"	72"	60"	60"	72"	72"	60"	72"	72"	72"	72"
	41-80 #/CU.FT.	36"	48"	60"	48"	54"	66"	72"	54"	54"	72"	72"	72"
	81-120 #/CU.FT.	30"	42"	54"	42"	48"	60"	66"	48"	54"	60"	72"	72"
	Over 120 #/CU.FT.	30"	36"	48"	36"	42"	54"	60"	42"	48"	54"	60"	72"
ELEVATOR BELT CRITERIA													
ELEVATOR TENSION RATINGS (PIW)		190	280	370	260	390	520	645	345	520	690	870	1030
MINIMUM PULLEY DIAMETERS													
81-100% Tension		18"	18"	24"	18"	22"	30"	36"	22"	26"	36"	42"	48"
61-80% Tension		16"	16"	20"	16"	20"	24"	30"	20"	24"	30"	36"	42"
Up to 60% Tension		12"	14"	18"	14"	18"	20"	24"	18"	22"	24"	30"	36"
MAXIMUM BUCKET PROJECTION													
100# 'CU.FT.' OR LESS													
Spaced Industrial		6"	7"	10"	7"	9"	10"	11"	9"	10"	11"	12"	12"
Continuous Industrial		5"	7"	10"	7"	9"	12"	14"	9"	12"	14"	16"	20"

- Fastener selection is based on belt thickness, pulley diameters and working tension of the belt.
- Please refer to fastener manufacturer's specifications for proper fastener selection.

U.S. RUBBER BELTING

DESIGNED TO IMPROVE PRODUCTIVITY

FULL 10 TO 1 SERVICE FACTORS
ON POLY/POLY AND POLY
NYLON CARCASSES

PROVIDES LOWER ELONGATION
NO MORE THAN 2%
AT 100 PERCENT OF
RATED TENSION

FULL GAUGE SKIMS
BETWEEN PLYS
PROVIDE

HIGHER IMPACT
ABSORPTION

EXCELLENT LOAD
SUPPORT FOR HEAVY
APPLICATIONS

ASSURANCE COVER COMPOUNDS WILL PROVIDE
PROPER SERVICE FOR SPECIAL APPLICATIONS

PREMIUM COVER COMPOUNDS PROVIDE
REDUCED COVER WEAR-LOWER BELT
COSTS PER TON OF PRODUCT

Manufactured in the USA

EXPANDED PRODUCTION CAPABILITY
LARGE INVENTORY PROVIDE

SHORT LEAD TIMES ON "MADE TO ORDER" BELTING
IMMEDIATE AVAILABILITY OF STANDARD BELT SPECIFICATIONS

AT U.S. RUBBER CORP., THE SERVICE DOES NOT END AFTER THE SALE.