

U.S. RUBBER CORP.

**U.S. RUBBER
MOVES YOUR
MOUNTAINS OF
PULP, CHIPS AND
TREE BARK**

**SUPER OIL
RESISTANT (SOR)**

**Our belts are made to
move your products
fast and safe.**

**Wood Chips
Saw Dust
Wood Pulp
Tree Bark**

**MODERATE OIL
RESISTANT (MOR)**

**Let us help you select
what's right for your
companies needs.**

Manufactured in the USA



Pulp, Chips, Saw Cuts, Saw Dust

U.S. RUBBER CORP.

LOAD STAR SPECIFICATIONS

LOAD STAR SPECIFICATIONS	FABRIC STYLE BELT STYLE	LOAD STAR 110			LOAD STAR 125			LOAD STAR 150			
		2-220	3-330	4-440	2-250	3-375	4-500	2-300	3-450	4-600	5-750
Number of Plies		2	3	4	2	3	4	2	3	4	5
Working Strength PIW	Mechanical	220	330	440	250	375	500	300	450	600	750
Rating pounds PIW	Vulcanized	220	330	440	250	375	500	330	500	660	830
Approx. Carcass Gauge		.116	.165	.215	.128	.186	.247	.160	.206	.280	.354
Approx. Carcass Wt. PIW/ft		.060	.080	.115	.060	.092	.130	.105	.115	.152	.192
Average Cover Wt. per 1/16"	Gauge PIW/ft.	.033	.033	.033	.033	.033	.033	.033	.033	.033	.033
Impact Rating (Foot-Pounds)		460	665	875	490	728	1031	680	994	1310	1497

CONVEYOR BELT CRITERIA

MINIMUM PULLEY DIAMETER

81-100% TENSION	16"	18"	24"	16"	18"	24"	16"	22"	28"	30"
61-80% TENSION	14"	16"	20"	14"	16"	20"	14"	18"	22"	24"
UP TO 60% TENSION	10"	12"	16"	12"	14"	18"	12"	16"	20"	20"

MINIMUM BELT WIDTH FOR EMPTY BELT TROUGHING

20 Degree Idlers	16"	24"	30"	16"	24"	30"	18"	24"	30"	36"
35 Degree Idlers	18"	24"	30"	18"	24"	30"	24"	30"	36"	36"
45 Degree Idlers	30"	30"	36"	24"	30"	36"	24"	30"	36"	42"

MAXIMUM BELT WIDTH FOR LOAD SUPPORT

20 Degree Idlers	0-40 #/CU.FT.	54"	66"	72"	54"	72"	72"	72"	72"	72"	72"
	41-80 #/CU.FT.	42"	60"	72"	48"	60"	72"	60"	66"	72"	72"
	81-120 #/CU.FT.	42"	54"	72"	42"	54"	72"	54"	60"	72"	72"
	Over 120 #/CU.FT.	36"	48"	60"	36"	48"	60"	48"	54"	66"	72"
35 Degree Idlers	0-40 #/CU.FT.	48"	60"	72"	48"	60"	72"	60"	66"	72"	72"
	41-80 #/CU.FT.	42"	54"	66"	42"	60"	60"	54"	60"	72"	72"
	81-120 #/CU.FT.	36"	48"	60"	42"	54"	60"	48"	54"	66"	72"
	Over 120 #/CU.FT.	30"	42"	54"	30"	42"	54"	42"	48"	60"	66"
45 Degree Idlers	0-40 #/CU.FT.	48"	54"	72"	48"	54"	72"	60"	60"	72"	72"
	41-80 #/CU.FT.	36"	48"	60"	36"	48"	54"	48"	54"	66"	72"
	81-120 #/CU.FT.	30"	42"	54"	30"	48"	54"	42"	48"	60"	66"
	Over 120 #/CU.FT.	30"	36"	48"	NR	36"	48"	36"	42"	54"	60"

ELEVATOR BELT CRITERIA

ELEVATOR TENSION RATINGS (PIW)	190	280	370	200	290	385	260	390	520	645
MINIMUM PULLEY DIAMETERS										
81-100% Tension	18"	18"	24"	16"	18"	24"	18"	22"	30"	36"
61-80% Tension	16"	16"	20"	14"	16"	22"	16"	20"	24"	30"
Up to 60% Tension	12"	14"	18"	12"	14"	20"	14"	18"	20"	24"

MAXIMUM BUCKET PROJECTION

100# 'CU.FT.' OR LESS

Spaced Industrial	6"	7"	10"	7"	8"	10"	7"	9"	10"	11"
Continuous Industrial	5"	7"	10"	6"	8"	10"	7"	9"	12"	14"

- 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 CORP.

LOAD STAR SPECIFICATIONS

LOAD STAR 200					LOAD STAR 250			LOAD STAR 300				LOAD STAR 300		
2-400	3-600	4-800	5-1000	6-1200	2-500	3-750	4-1000	2-600	3-900	4-1200	5-1500	2-800	3-1200	4-1600
2	3	4	5	6	2	3	4	2	3	4	5	2	3	4
400	600	800	1000	1200	500	750	1000	600	900	1200	1500	800	1200	1600
440	660	880	1100	1320	550	825	1100	660	990	1320	1650	880	1320	1760
.163	.225	.300	.379	.453	.200	.280	.380	.240	.370	.510	.660	.300	.450	.630
.105	.115	.152	.194	.235	.108	.152	.206	.130	.200	.276	.358	.164	.244	.341
.033	.033	.033	.033	.033	.033	.033	.033	.033	.033	.033	.033	.033	.033	.033
805	1000	1135	1220	1290	915	1115	1165	930	1130	1240	1300			
18"	24"	30"	36"	42"	24"	30"	36"	22"	36"	42"	45"			
16"	20"	24"	30"	36"	20"	24"	30"	18"	30"	33"	40"			
14"	18"	20"	24"	30"	18"	20"	24"	16"	26"	30"	33"			
24"	30"	36"	42"	48"	30"	36"	42"	30"	42"	48"	54"			
30"	30"	36"	42"	48"	36"	36"	42"	30"	42"	48"	54"			
30"	36"	42"	48"	54"	36"	42"	48"	36"	48"	54"	60"			
66"	72"	72"	72"	72"	72"	72"	72"	72"	72"	72"	72"			
60"	72"	72"	72"	72"	66"	72"	72"	72"	72"	72"	72"			
54"	72"	72"	72"	72"	60"	72"	72"	60"	72"	72"	72"			
48"	60"	72"	72"	72"	54"	60"	72"	54"	60"	72"	72"			
66"	72"	72"	72"	72"	72"	72"	72"	72"	72"	72"	72"			
60"	60"	72"	72"	72"	66"	66"	72"	60"	72"	72"	72"			
54"	60"	72"	72"	72"	60"	66"	72"	54"	72"	72"	72"			
48"	54"	60"	66"	72"	54"	60"	72"	48"	60"	72"	72"			
60"	72"	72"	72"	72"	66"	66"	72"	72"	66"	72"	72"			
54"	54"	72"	72"	72"	60"	66"	72"	54"	60"	72"	72"			
48"	54"	60"	72"	72"	54"	54"	72"	48"	60"	72"	72"			
42"	48"	54"	60"	72"	48"	48"	72"	42"	54"	72"	72"			
345	520	690	870	1030	425	630	850	520	755	1015	1215			
22"	26"	36"	42"	48"	26"	32"	42"	24"	36"	45"	54"			
20"	24"	30"	36"	42"	24"	28"	36"	22"	30"	38"	48"			
18"	22"	24"	30"	36"	22"	26"	30"	20"	28"	33"	42"			
9"	10"	11"	12"	12"	10"	11"	12"	10"	11"	12"	12"			
9"	12"	14"	16"	20"	11"	14"	16"	8"	13"	16"	18"			

- 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 BELTING

DESIGNED TO IMPROVE PRODUCTIVITY



MODERATE OIL RESISTANT (MOR)

Designed to be used in moderately oily environments. Recommended for wood chips, oil treated coal, waste disposal sewage, sludge and whole grains.

Not recommended for high impact applications. Recommended service temperatures -30 to 200 degrees Fahrenheit

SUPER OIL RESISTANT (SOR)

Highly resistant to mineral oil and most other oils that cause swelling and sponginess. The compound has abrasion, tear, ozone and weather resistance.

Designed for handling animal or vegetable fats, oily metal parts, etc. Recommended

AT U.S. RUBBER CORP., THE SERVICE DOES NOT END AFTER THE SALE. OUR SALES AND TECHNICAL TEAM WILL PROVIDE SUPPORT, TRAINING AND TROUBLE SHOOTING SEMINARS TO HELP IMPROVE YOUR PRODUCTIVITY.

Manufactured in the USA



U.S. RUBBER CORP BELT CROSS SECTION

Top Cover A
Any thickness from 1/32" to 1-1/2"
(0.8mm-38.1mm)

Carcass B
1 to 10 ply

Carcass C
Heavy and high adhesion skim

Top Cover D
Any thickness from 1/32" to 1"
Bare back also available (0.8mm-25.4mm)

