



Material Selection Chart

TO SELECT THE RIGHT MATERIAL FOR YOUR APPLICATION

STYLE NO.	200	202	230	232	240	242	265	725	HDM
Forms Available.	Disc Band Cone Seg Sheet	Roll Band Cone Sheet	Disc Band Cone Seg Sheet	Roll Band Cone Sheet	Disc Band Cone Seg Sheet	Roll Band Cone Sheet	Roll Band Cone Seg Sheet Disc	Disc Band Cone Seg Sheet	Roll Band
Type Surface: G—Ground P—Plain	G	G	G	G	G	G	G P	G	G
STRUCTURE: R—Rigid Molded SF—Semi-Flexible F—Flexible	R	SF	R	SF	R	SF	F R	R	SF
Coefficient of Friction @350° F., 50 PSI, 10.5 Ft./Sec. See note 1	.40 ± .07	.40 ± .07	.45 ± .07	.45 ± .07	.40 ± .07	.40 ± .07	.33 ± .07	.32 ± .07	.45 ± .07
THICKNESSES AVAILABLE	1/8 - 3/8	1/8 - 3/8	1/8 - 1/2	1/8 - 1/2	1/8 - 3/8	1/8 - 3/8	1/8 - 1/4	1/8 - 3/8	1/8 - 1/2
TYPE SERVICE	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
Max. Rubbing Speed Ft./Min. See note 2	5000	5000	5000	5000	5000	5000	2500	2500	5000
Max. Drum Temp. ° F. for CONSTANT OPERATION: See note 2	500	500	500	500	500	500	400	350	500
MAX. PRESSURE—PSI See note 2	100	100	100	100	100	100	100	100	100
RESISTANCE TO SHOCK E—Excellent G—Good M—Moderate	G	G	G	E	G	E	G	G	G
RATE OF WEAR E—Excellent G—Good M—Moderate	M	M	E	G	E	E	M	G	E
COMPRESSIVE STRENGTH—PSI	17160		14230		21580		19000	20400	
SHEAR STRENGTH—PSI	7590		9590		6360		7800	7200	
TENSILE STRENGTH—PSI	4220		3900		3960		4230		
MODULUS OF RUPTURE—PSI	5230		6720		8520		5400	10600	
SPECIFIC GRAVITY	1.87		1.90		2.11		1.69	1.92	

Note 1. — Friction values shown are for guide purposes only since values deviate with changes in temperature, pressure and speed. Practical design should include a 25 to 50 per cent safety factor.

Note 2. — Rubbing speed, drum temperature and pressure are directly related. Changing any one value will change the others. The values shown represent typical conditions, but are not the ultimate limits of the material.