Scan-Pac Mfg.

Product Data Sheet

Brake Lining Material: GGA Cured (Rigid)

PRODUCT DESCRIPTION: Available in Rigid Flat Sheets, block, and facings, Green Gripper Aramid-cured is a very high Aramid content material, known for its toughness, smoothness and long wear.

APPLICATION: Compounded for use on tensioning devices in difficult applications, GGA has proved to be the finest high Aramid material available for use on both clutches and brakes. Can be used on both wet and dry applications. Can be easily bonded to other materials or metal for increased thickness and for custom shapes.

PHYSICAL PROPERTIES

Tolerance and Size Data	
Blocks – Thickness: 1/8" to 3/8"	+.000/-.020"
Width : to 2"	+/-1/32"
Over 2"	+/-1/16"
Length:	+/-1/16"
Flat Sheets – Thickness: 1/32" to 3/8"	+/-.010"
Sheet Size:	20" X 60"
	30" X 30"
Facings – Thickness: 1/32" to 3/8"	+/-.010"
OD to 12"	+/-1/32"
OD over 12"	+/-1/16"
ID to 12"	+1/16", -.000
ID over 12"	+1/8", -.000

MECHANICAL PROPERTIES

Specific Gravity (SAE J380)	1.60-1.80
Shore D Hardness (ASTM D2240-68)	70-80
Tensile Strength, psi (ASTM D638)	3500psi min.

FRICTION PROPERTIES GGA Cured

Coefficient of Friction (SAE J661)	
Normal	.48
Hot	.46
See Note 1	
Wear Rate, by weight (SAE J661)	.006
Friction Code	FF/GG
Recommended Operating Limits	
Max. Rubbing Speed	5000 fpm
See Note 2	
Max. Drum Temp.	500°F
°F for Constant Operation	
See Note 2	
Max. Pressure	100psi
See Note 2	

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 percent 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.

SAE J661a Test Curves