Engineered Plastics Specialist

As one of the first UHMW-PE manufacturers in the world, Robco's Engineered Plastics Division innovates and works to maximize your operation's efficiency with state-of-the-art materials and machining. Robco's specialists take pride in the performance of our engineered products that allow you to work smarter.

Since 1911, Robco products are used everywhere in heavy industry as components of original equipment and in aftermarket maintenance and repair.

ISO 9001 and ISO 14001 Certified, our commitment to focusing on engineered solutions has fostered an alignment between our customers' satisfaction and our success while caring for our environment.

Robco a trusted fabricator and distributor of SCAN-PAC mfg. inc. Friction & Phenolic Materials.

Total Cost of Ownership

Our T.C.O. approach to problem-solving often results in our customers saving more than the acquisition cost of the products supplied.

Robco Engineered Plastic Products are manufactured at our Montreal and Toronto facilities, thus ensuring unsurpassed quality

EST. 1911

Clutches and Brakes
Band Brakes
Blocks & Wiper Blades
Wear Plates & Liners
Bearing Liners

Applications:

- Overhead Cranes
- Oil Rigs
- Paper Mills
- Railway
- Winches
- Hot-Mills
- Hydro-Turbines
- Windmills

Robco INC.
Engineered Solutions since 1911

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Friction Materials & Brake Liners

Robco INC.
Engineered Solutions since 1911

Friction Materials / Brake Linings

SCAN PAC

Gemini GMF

Rigid Molded

GM is a rigid molded non-asbestos, metallic friction material suitable for use in medium friction brake/clutch applications in a wide variety of equipment. It has exceptional dimensional stability and can be molded into a wide range of shapes and sizes.

Gemini GMF

Coefficient of Friction (SAE J661)	Rubbing Speed
Normal: 0.34 / Hot: 0.32	7500 fpm
Wear Rate (SAE J661)	pH range
0.004 inch³/hp-hr max.	EE
Drum Temperature for Constant operation	Pressure
650°F	2000 psi

Gemini GH

Rigid Molded

GH is a rigid molded non-asbestos, metallic friction material suitable for use in high friction brake/clutch applications in a wide variety of equipment. It has exceptional dimensional stability and can be molded into a wide range of shapes and sizes

Gemini GH

Coefficient of Friction (SAE J661)	Rubbing Speed
Normal: 0.59 / Hot: 0.56	7500 fpm
Wear Rate (SAE J661)	pH range
0.006 inch³/hp-hr max.	HH
Drum Temperature for Constant operation	Pressure
650°F	2000 psi

RF 34

Rigid Molded

RF 34 is a rigid molded non-asbestos, metallic friction material suitable for use in medium friction brake/clutch applications in a wide variety of equipment. It is non-corrosive, smooth, kind to mating surfaces and keeps the interface temperatures down; it can be molded into a wide range of shapes and sizes.

RF 34

Coefficient of Friction (SAE J661)	Rubbing Speed
Normal: 0.34 / Hot: 0.34	10000 fpm
Wear Rate (SAE J661)	pH range
0.0057 inch³/hp-hr max.	EE
Drum Temperature for Constant operation	Pressure
650°F	2000 psi

RF 36

Rigid Molded

Suitable for use in medium friction brake/clutch applications in a wide variety of equipment such as agricultural equipment, overhead cranes and heavy duty equipment. It is non-corrosive, non-abrasive, smooth, quiet and kind to mating surface; it can be molded into wide range of shapes and sizes.

RF 36

Coefficient of Friction (SAE J661)	Rubbing Speed
Normal: 0.42 / Hot: 0.40	10000 fpm
Wear Rate (SAE J661)	pH range
0.003 inch³/hp-hr max.	FF
Drum Temperature for Constant operation	Pressure
650°F	2000 psi

RF 38

Rigid Molded

Suitable for use in Medium friction brake/clutch applications in a wide variety of equipments such as agricultural equipment, overhead cranes and heavy duty equipment. It is non-corrosive, non-abrasive and kind to mating surface; it can be molded into many intricate internal, external, and customer specified shapes.

RF 38

Coefficient of Friction (SAE J661)	Rubbing Speed
Normal: 0.44 / Hot: 0.40	10000 fpm
Wear Rate (SAE J661)	pH range
0.005 inch³/hp-hr max.	FF
Drum Temperature for Constant operation	Pressure
650°F	2000 psi

These are the most popular compounds supplied by Robco

Scan-Pac created hundreds of base compounds, variations of which are available as solutions to your specific applications problems.

Friction Materials / Brake Linings

Robco INC.

Engineered Solutions since 1911

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RF 41

Rigid Molded

For use in medium friction brake/clutch applications in a wide variety of equipment. It performs very well in high temperature applications and can be used in dry or wet applications; it can be molded into wide range of shapes and sizes.

RF 41

Coefficient of Friction (SAE J661)	Rubbing Speed
Normal: 0.46 / Hot: 0.45	7500 fpm
Wear Rate (SAE J661)	pH range
0.0097 inch³/hp-hr max.	FF
Drum Temperature for Constant operation	Pressure
650°F	2000 psi

RF 42

Rigid Molded

For use in medium friction brake/clutch applications in a wide variety of equipment. It performs very well in high temperature applications and can be used in dry or wet applications; it can be molded into wide range of shapes and sizes.

RF 42

Coefficient of Friction (SAE J661)	Rubbing Speed
Normal: 0.43 / Hot: 0.41	10000 fpm
Wear Rate (SAE J661)	pH range
0.007 inch³/hp-hr max.	FF
Drum Temperature for Constant operation	Pressure
650°F	2000 psi

RF 51

Rigid Molded

For use in high friction brake/clutch applications. It is non-corrosive, non-abrasive, smooth, and kind to mating surface. It exhibits excellent fade and recovery characteristics; it can be molded into many intricate internal, external, and customer specified shapes.

RF 51

Coefficient of Friction (SAE J661)	Rubbing Speed
Normal: 0.51 / Hot: 0.49	10000 fpm
Wear Rate (SAE J661)	pH range
0.004 inch³/hp-hr max.	GG
Drum Temperature for Constant operation	Pressure
650°F	2000 psi

GGA-Cured

Flexible Molded

Green Gripper Aramid-cured is a flexible molded, high aramid content sheeter lining in the medium to high friction range offering smoothness and long wear. Compounded for demanding tensioning unit applications. The finest high aramid material available for wet or dry use on clutches and brakes.

GGA-Cured

Coefficient of Friction (SAE J661)	Rubbing Speed
Normal: 0.48 / Hot: 0.46	5000 fpm
Wear Rate (SAE J661)	pH range
0.011 inch³/hp-hr max.	GG
Drum Temperature for Constant operation	Pressure
500ºF	100 psi

GGA-Uncured

Flexible Molded

Green Gripper Aramid-uncured is a flexible molded, high aramid content sheeter lining in the medium to high friction range offering smoothness and long wear. Compounded for demanding tensioning unit applications. Finest high aramid material available for wet or dry use on clutches and brakes

GGA-Uncured

Coefficient of Friction (SAE J661)	Rubbing Speed
Normal: 0.45 / Hot: 0.36	5000 fpm
Wear Rate (SAE J661)	pH range
0.008 inch³/hp-hr max.	FF
Drum Temperature for Constant operation	Pressure
500°F	100 psi

GGW

Green Gripper Woven

GM is a rigid woven non-asbestos, metallic friction material suitable for use in medium friction brake/clutch applications in a wide variety of equipment. It has exceptional dimensional stability and can be molded into a wide range of shapes and sizes.

Green Gripper Woven

Coefficient of Friction (SAE J661)	Rubbing Speed
Normal: 0.50 / Hot: 0.46	5000 fpm
Wear Rate (SAE J661)	pH range
0.005 inch³/hp-hr max.	GG
Drum Temperature for Constant operation	Pressure
550°F	200 psi

These are the most popular compounds supplied by Robco

Scan-Pac created hundreds of base compounds, variations of which are available as solutions to your specific applications problems.