

## Product Data Sheet: 242OR

**PRODUCT DESCRIPTION:** 242OR (Oil Resistant) is a flexible molded sheeter lining in the medium to high friction range that is suitable for both wet (when cured) and dry applications. Recommended for light to medium duty clutch and brake applications; it is available in virtually every drum diameter and shape required. Scan-Pac is the only remaining manufacturer in the world of sheeter flexible molded lining. All other flex-mold is either extruded or profile calendered which offer extremely low tensile strength and therefore, low or no rivet holding strength.

### MECHANICAL PROPERTIES

Specific Gravity (SAE J380)	1.66-1.86
Shore D Hardness (ASTM D2240-68)	56-68
Tensile Strength (ASTM D638)	1500psi min.

### FRICITION PROPERTIES

Coefficient of Friction (SAE J661)	
Normal*	.48
Hot*	.46
Wear Rate by Weight (SAE J661)	.023
Friction Code	GG
Maximum Operating Limits	
Rubbing Speed**	5000 fpm
Pressure**	100 psi
Drum Temperature for Constant Operation**	500°F

**\*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

