

SF 3500 is a superior performance compressed non-asbestos gasket material ideal for use in pumps (including split case). It is constructed with glass and aramid fiber reinforcement, and it uses a NBR binder. The data given below is based on a 1/64" sheet, except as otherwise noted.

SERVICE

Max T (at min. thickness)	824°F (440°C)
Max P (at min. thickness)	3000 psi (20.7 MPa)
pH Range	3 - 11

PHYSICAL PROPERTIES

Color	Red
Density	100 lb/ft ³ (1.60 g/cm ³)
Sheet Thickness	1/64" - 0.020" (0.40 mm - 0.50 mm)
Sheet Size (also available in full rolls)	60" x 60", 60" x 120" (1.50 m x 1.50 m, 1.50 m x 3.00 m)

MECHANICAL PROPERTIES (ASTM F152)

Cross Grain Tensile	3335 psi (23.0 MPa)
With Grain Tensile	6670 psi (46.0 MPa)

IMMERSION PROPERTIES (ASTM F146)

Thickness Increase	Oil #3 @ 300°F	4%
	Fuel B @ 70 - 85°F	7%
Weight Increase	Oil #3 @ 300°F	N/A
	Fuel B @ 70 - 85°F	N/A

SEALING PROPERTIES

ASTM F36J	Compressibility	10%
	Recovery	62%
ASTM F37A	Fuel A @ 50 psi & 1000 psi Gasket Stress	N/A
ASTM F38	Creep Relaxation	N/A
BS 7531	Nitrogen Gas Permeability	0.01 mL/min



DESIGN INFORMATION

FSA Gasket Constants	m	3.7
	y	3335 psi (23.00 MPa)
Recommended Surface Finish	125 - 250 μ in (3.2 - 6.3 μ m)	
ASTM Callout	712120E32M7 †	† some digits may be chosen differently

PRESSURE CONTAINMENT AND TEMPERATURE

SF 3500 Thickness (in.)	0.020
Max. Temperature (°F)	752
Max. Pressure (psi)	3000

NOTE: Above pressure/temperature cannot be used simultaneously.

