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KLINGERSIL C-4500

KLINGERSIL C-4500 is a premium grade, high-pressure gasket material designed for use in high-temperature alkaline media and superheated steam. Superior performance material suitable in the pulp and paper industry and chemical industry.

This material is manufactured with carbon fibers and special heat-resistant additives and reinforced with a nitrile binder.

Typical Values Refer To 1/16" Thick Material Unless Noted

Creep Relaxation ASTM F38B (1/32")	20%
Sealability ASTM F37A (1/32")	< 0.3 ml/hr
Gas Permeability DIN 3535/6	< 1.3 ml/min
Compressibility ASTM F36J	8-14%
Recovery ASTM F36J	50% Minimum
KLINGER Hot Compression Test Thickness Decrease 73F (23C) Thickness Decrease 572F (300C)	12% Initial 10% Additional
Weight Increase ASTM F146 after immersion in Fuel B, 5h/73F (23C)	10% Maximum
Thickness Increase ASTM F146 after immersion in ASTM Oil IRM 901, 5h/300F (149C) ASTM Oil IRM 903, 5h/300F (149C) ASTM Fuel A, 5h/73F (23C) ASTM Fuel B, 5h/73F (23C)	0-5% 0-3% 0-5% 0-5%
Dielectric Strength ASTM D149-95a	1.5 kV/mm
Density ASTM F1315	87 lb/ft ³ (1.4g/cc ³)
Leachable Chloride Content FSA Method	200 ppm
ASTM F104 Line Call Out	F712122B3E11K6M5
Color	Black