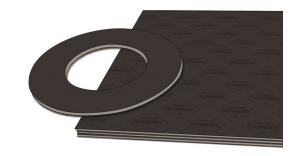


KLINGERSIL® C-6400

Quality sheet for use in process industries

KLINGERSIL® C-6400 gasket material is a good steam sheet with good anti-stick properties. Use this material in process industries such as pulp and paper, power and petrochemical.

This material is manufactured with synthetic fiber reinforced with an SBR binder.



TYPICAL VALUES REFER TO 1/16" THICK MATERIAL UNLESS NOTED

Sealability ASTM F37A (1/32") < 0.2 ml/hr Gas Permeability DIN 3535/6 <0.3 ml/min Compressibility ASTM F36J 8 - 14 % Recovery ASTM F36J 50 % minimum KLINGER Hot Compression Test 12 % initial Thickness Decrease 73°F (23°C) 12 % initial Thickness Decrease 572°F (300°C) 14 % additional Weight Increase ASTM F146 after immersion in Fuel B, 5h/73°F (23°C) Thickness Increase ASTM F146 after immersion in ASTM Oil IRM 901, 5h/300°F (149°C) 0 - 10 % ASTM Oil IRM 903, 5h/300°F (149°C) 0 - 25 % ASTM Fuel A, 5h/73°F (23°C) 0 - 5 % ASTM Fuel B, 5h/73°F (23°C) 0 - 10 % Dielectric Strength ASTM D149-95a 16 kV/mm Density ASTM F1315 112 lb/ft³ (1.8 g/cc³) Leachable Chloride Content FSA Method 200 ppm ASTM F104 Line Call Out F71241B3E42K6M5 Color Black or White	Creep relaxation ASTM F38B (1/32")	20 %
Compressibility ASTM F36J 8 - 14 % Recovery ASTM F36J 50 % minimum KLINGER Hot Compression Test 12 % initial Thickness Decrease 73°F (23°C) 12 % initial Thickness Decrease 572°F (300°C) 14 % additional Weight Increase ASTM F146 after immersion in 25 % maximum Fuel B, 5h/73°F (23°C) 25 % maximum Thickness Increase ASTM F146 after immersion in 0 - 10 % ASTM Oil IRM 901, 5h/300°F (149°C) 0 - 10 % ASTM Fuel A, 5h/73°F (23°C) 0 - 5 % ASTM Fuel B, 5h/73°F (23°C) 0 - 10 % Dielectric Strength ASTM D149-95a 16 kV/mm Density ASTM F1315 112 lb/ft³ (1.8 g/cc³) Leachable Chloride Content FSA Method 200 ppm ASTM F104 Line Call Out F71241B3E42K6M5	Sealability ASTM F37A (1/32")	< 0.2 ml/hr
Recovery ASTM F36J 50 % minimum KLINGER Hot Compression Test 12 % initial Thickness Decrease 73°F (23°C) 12 % initial Thickness Decrease 572°F (300°C) 14 % additional Weight Increase ASTM F146 after immersion in 25 % maximum Fuel B, 5h/73°F (23°C) 25 % maximum Thickness Increase ASTM F146 after immersion in 0 - 10 % ASTM Oil IRM 901, 5h/300°F (149°C) 0 - 25 % ASTM Fuel A, 5h/73°F (23°C) 0 - 5 % ASTM Fuel B, 5h/73°F (23°C) 0 - 10 % Dielectric Strength ASTM D149-95a 16 kV/mm Density ASTM F1315 112 lb/ft³ (1.8 g/cc³) Leachable Chloride Content FSA Method 200 ppm ASTM F104 Line Call Out F71241B3E42K6M5	Gas Permeability DIN 3535/6	<0.3 ml/min
KLINGER Hot Compression Test Thickness Decrease 73°F (23°C) Thickness Decrease 572°F (300°C) Weight Increase ASTM F146 after immersion in Fuel B, 5h/73°F (23°C) Thickness Increase ASTM F146 after immersion in ASTM Oil IRM 901, 5h/300°F (149°C) ASTM Oil IRM 903, 5h/300°F (149°C) ASTM Fuel A, 5h/73°F (23°C) ASTM Fuel B, 5h/73°F (23°C) Dielectric Strength ASTM D149-95a Density ASTM F1315 Leachable Chloride Content FSA Method ASTM F104 Line Call Out 12 % initial 14 % additional 14 % additional 10 % additional 10 % occ 10 % 10 % occ 10 % 11 % occ 10 % 12 % initial 11 % additional 11 % occ 10 % 11 % occ 10 % 12 % initial 11 % occ 11 % 12 % initial 11 % occ 11 % 12 % initial 11 % occ 11 % 12 % initial 11 % occ 11 % 12 % occ 11 % 12 % initial 14 % additional 14 % occ 11 % 14 % additional 14 % occ 11 % 15 % occ 11 % 16 % occ 11 % 16 % occ 11 % 17 % occ 11 % 18 % occ 11 % 18 % occ 11 % 18 % occ 11 % 19 % occ 11 % 10 %	Compressibility ASTM F36J	8 - 14 %
Thickness Decrease 73°F (23°C) 12 % initial Thickness Decrease 572°F (300°C) 14 % additional Weight Increase ASTM F146 after immersion in 25 % maximum Fuel B, 5h/73°F (23°C) 25 % maximum Thickness Increase ASTM F146 after immersion in 0 - 10 % ASTM Oil IRM 901, 5h/300°F (149°C) 0 - 10 % ASTM Fuel A, 5h/73°F (23°C) 0 - 5 % ASTM Fuel B, 5h/73°F (23°C) 0 - 10 % Dielectric Strength ASTM D149-95a 16 kV/mm Density ASTM F1315 112 lb/ft³ (1.8 g/cc³) Leachable Chloride Content FSA Method 200 ppm ASTM F104 Line Call Out F71241B3E42K6M5	Recovery ASTM F36J	50 % minimum
Thickness Decrease 572°F (300°C) 14 % additional Weight Increase ASTM F146 after immersion in Fuel B, 5h/73°F (23°C) 25 % maximum Thickness Increase ASTM F146 after immersion in ASTM Oil IRM 901, 5h/300°F (149°C) 0 - 10 % ASTM Oil IRM 903, 5h/300°F (149°C) 0 - 25 % ASTM Fuel A, 5h/73°F (23°C) 0 - 5 % ASTM Fuel B, 5h/73°F (23°C) 0 - 10 % Dielectric Strength ASTM D149-95a 16 kV/mm Density ASTM F1315 112 lb/ft³ (1.8 g/cc³) Leachable Chloride Content FSA Method 200 ppm ASTM F104 Line Call Out F71241B3E42K6M5	KLINGER Hot Compression Test	
Weight Increase ASTM F146 after immersion in Fuel B, 5h/73°F (23°C) 25 % maximum Thickness Increase ASTM F146 after immersion in ASTM Oil IRM 901, 5h/300°F (149°C) 0 - 10 % ASTM Oil IRM 903, 5h/300°F (149°C) 0 - 25 % ASTM Fuel A, 5h/73°F (23°C) 0 - 5 % ASTM Fuel B, 5h/73°F (23°C) 0 - 10 % Dielectric Strength ASTM D149-95a 16 kV/mm Density ASTM F1315 112 lb/ft³ (1.8 g/cc³) Leachable Chloride Content FSA Method 200 ppm ASTM F104 Line Call Out F71241B3E42K6M5	Thickness Decrease 73°F (23°C)	12 % initial
Fuel B, 5h/73°F (23°C) 25 % maximum Thickness Increase ASTM F146 after immersion in ASTM Oil IRM 901, 5h/300°F (149°C) 0 - 10 % ASTM Oil IRM 903, 5h/300°F (149°C) 0 - 25 % ASTM Fuel A, 5h/73°F (23°C) 0 - 5 % ASTM Fuel B, 5h/73°F (23°C) 0 - 10 % Dielectric Strength ASTM D149-95a 16 kV/mm Density ASTM F1315 112 lb/ft³ (1.8 g/cc³) Leachable Chloride Content FSA Method 200 ppm ASTM F104 Line Call Out F71241B3E42K6M5	Thickness Decrease 572°F (300°C)	14 % additional
Thickness Increase ASTM F146 after immersion in ASTM Oil IRM 901, 5h/300°F (149°C) ASTM Oil IRM 903, 5h/300°F (149°C) ASTM Fuel A, 5h/73°F (23°C) ASTM Fuel B, 5h/73°F (23°C) Dielectric Strength ASTM D149-95a Density ASTM F1315 Leachable Chloride Content FSA Method ASTM F104 Line Call Out To 10 % 112 lb/ft³ (1.8 g/cc³) 200 ppm ASTM F104 Line Call Out F71241B3E42K6M5	Weight Increase ASTM F146 after immersion in	
ASTM Oil IRM 901, 5h/300°F (149°C) 0 - 10 % ASTM Oil IRM 903, 5h/300°F (149°C) 0 - 25 % ASTM Fuel A, 5h/73°F (23°C) 0 - 5 % ASTM Fuel B, 5h/73°F (23°C) 0 - 10 % Dielectric Strength ASTM D149-95a 16 kV/mm Density ASTM F1315 112 lb/ft³ (1.8 g/cc³) Leachable Chloride Content FSA Method 200 ppm ASTM F104 Line Call Out F71241B3E42K6M5	Fuel B, 5h/73°F (23°C)	25 % maximum
ASTM Oil IRM 903, 5h/300°F (149°C) 0 - 25 % ASTM Fuel A, 5h/73°F (23°C) 0 - 5 % ASTM Fuel B, 5h/73°F (23°C) 0 - 10 % Dielectric Strength ASTM D149-95a 16 kV/mm Density ASTM F1315 112 lb/ft³ (1.8 g/cc³) Leachable Chloride Content FSA Method 200 ppm ASTM F104 Line Call Out F71241B3E42K6M5	Thickness Increase ASTM F146 after immersion in	
ASTM Fuel A, 5h/73°F (23°C) 0 - 5 % ASTM Fuel B, 5h/73°F (23°C) 0 - 10 % Dielectric Strength ASTM D149-95a 16 kV/mm Density ASTM F1315 112 lb/ft³ (1.8 g/cc³) Leachable Chloride Content FSA Method 200 ppm ASTM F104 Line Call Out F71241B3E42K6M5	ASTM Oil IRM 901, 5h/300°F (149°C)	0 - 10 %
ASTM Fuel B, 5h/73°F (23°C) Dielectric Strength ASTM D149-95a 16 kV/mm Density ASTM F1315 112 lb/ft³ (1.8 g/cc³) Leachable Chloride Content FSA Method 200 ppm ASTM F104 Line Call Out F71241B3E42K6M5	ASTM Oil IRM 903, 5h/300°F (149°C)	0 - 25 %
Dielectric Strength ASTM D149-95a16 kV/mmDensity ASTM F1315112 lb/ft³ (1.8 g/cc³)Leachable Chloride Content FSA Method200 ppmASTM F104 Line Call OutF71241B3E42K6M5	ASTM Fuel A, 5h/73°F (23°C)	0 - 5 %
Density ASTM F1315 Leachable Chloride Content FSA Method ASTM F104 Line Call Out 112 lb/ft³ (1.8 g/cc³) 200 ppm F71241B3E42K6M5	ASTM Fuel B, 5h/73°F (23°C)	0 - 10 %
Leachable Chloride Content FSA Method 200 ppm ASTM F104 Line Call Out F71241B3E42K6M5	Dielectric Strength ASTM D149-95a	16 kV/mm
ASTM F104 Line Call Out F71241B3E42K6M5	Density ASTM F1315	112 lb/ft³ (1.8 g/cc³)
	Leachable Chloride Content FSA Method	200 ppm
Color Black or White	ASTM F104 Line Call Out	F71241B3E42K6M5
	Color	Black or White



KLINGERSIL® C-6400

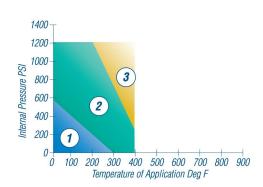
The pressure/temperature graphs shown are the most current method of determining the suitability of a gasket material in a known environment. However, chemical compatibility must also be considered.

pT diagram for thickness 1/16":

LIQUIDS

1400— 1200— 1000—

GASES & STEAM



In area ① the gasket material is suitable using common installation practices subject to chemical compatibility.

In area 2 appropriate measures are necessary for installation of the gasket to ensure maximum performance. Please call or refer to KLINGERexpert for assistance.

In area 3 do not install gaskets in these applications without first referring to KLINGERexpert or contacting KLINGER's technical support service.

The ability of a gasket to make and maintain a seal depends not only on the style and quality of the gasket material, but also on medium being sealed, the flange design, the amount of pressure applied to the gasket by the bolts and how the gasket is assembled onto the flanges and tightened. These factors are beyond the manufacturer's control.