Rapid Die Cut

KLINGERSIL® C-7400, Dielectric Strength

KLINGERSIL® C-7400 is manufactured with synthetic fibers reinforced with an EPDM binder. This chemically resistant sheet also satisfies both sealing and electrical requirements, while acting as an insulator or barrier to the flow of electrons from one flange to another due to its excellent dielectric strength.

TECHNICAL DATA SHEET | (EFFECTIVE 26FEB21)

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PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE
Color	--	--	White/Gray
Composition	Synthetic fiber reinforced with an EPDM binder		
Creep Relaxation	ASTM F38B (1/32")	%	25
Sealability	ASTM F37A (1/32")	ml/hr	<0.5
Gas Permeability	DIN 3535/6	ml/min	<1.0
Compressibility	ASTM F36J	%	7 - 17
Recovery	ASTM F36J	% minimum	>45
KLINGER Hot Compression Test[1]			
Thickness Decrease 73°F (23°C)	At 3625 psi gasket stress	% initial	15
Thickness Decrease 572°F (300°C)		% additional	17
Weight Increase after Immersion in:			
Fuel B, 5h/73°F (23°C)	ASTM F146	%	20
Thickness Increase after immersion in:			
ASTM Oil IRM 901, 5h/300°F (149°C)	ASTM F146	%	0 - 20
ASTM Oil IRM 903, 5h/300°F (149°C)			15 - 30
ASTM Fuel A, 5h/73°F (23°C)			0 - 20
ASTM Fuel B, 5h/73°F (23°C)			5 - 20
Dielectric Strength	ASTM D149-95a	kV/mm	22
Density	ASTM F1315	lb/ft^3 (g/cc^3)	94 (1.5)
Leachable Chloride Content	FSA Method	ppp	200
Line Call Out	ASTM F104	--	F712441B4E34K6M4

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