



KLINGERSIL® C-4300, Universal High Pressure

KLINGERSIL® C-4300 is manufactured with aramid fiber reinforced with a nitrile binder. This universal high-pressure gasket material is resistant to hot water, steam, oil, hydrocarbons, and many other chemicals.

TECHNICAL DATA SHEET | (EFFECTIVE 26FEB21)

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PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE
Color	--	--	Black or White
Composition	Aramid fiber reinforced with a nitrile binder		
Applications	Oils, gases, salt solutions, fuels, alcohols, moderate organic and inorganic acids, hydrocarbons, lubricants, and refrigerants		
Creep Relaxation	ASTM F38B (1/32")	%	25
Sealability	ASTM F37A (1/32")	ml/hr	<0.25
Gas Permeability	DIN 3535/6	ml/min	<0.5
Compressibility	ASTM F36J	%	7 - 17
Recovery	ASTM F36J	% minimum	50
KLINGER Hot Compression Test			
Thickness Decrease	73°F (23°C)	% initial	15
Thickness Decrease	572°F (300°C)	% additional	25
Weight Increase after Immersion in:			
Fuel B, 5h/73°F (23°C)	ASTM F146	% maximum	10
Thickness Increase after immersion in:			
ASTM Oil IRM 901, 5h/300°F (149°C)			0 - 5
ASTM Oil IRM 903, 5h/300°F (149°C)	ASTM F146	%	0 - 5
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	kV/mm	18
Density	ASTM F1315	lb/ft³ (g/cc³)	100 (1.6)
Leachable Chloride Content	FSA Method	ppp	200
Line Call Out	ASTM F104	--	F712111B4E12K6M4