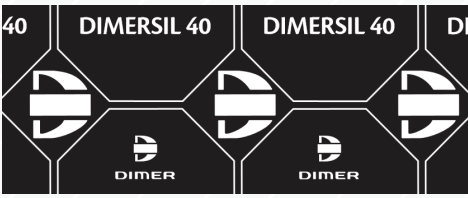
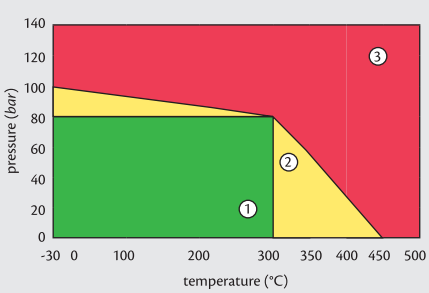
DIMERSIL 40



Colour	Black
Wire insertion	Yes
Description	DIMERSIL 40 is premium quality carbon fibre material with a high quality nitrile rubber binder.
Range usage	DIMERSIL 40 is especially suitable for use under alkaline conditions with good steam resistance. Material has excellent creep resistance and is suitable for applications with oils, fuels, alkaline medium and refrigerants.

TECHNICAL DATA
(Typical values for thickness of 2.0 mm)

Approvals			
Marking according		DIN 28 091-2	FA-CA-1-0 (ST)
Marking according		ASTM F 104	F712 110 M6 (M7)
Max. temperature*	peak	°C	450
Max. temperature*	continous	°C	300 (steam 280)
Max. pressure*		Bar	100
Density	DIN 28090-2	g/cm³	1,6-1,9
Compressibility	ASTM F 36	%	9
Recovery	ASTM F 36	%	50
Residual stress	(175°C) DIN 52 913	≈ MPa	32
Gas leakage λ	DIN 3535-6/99	≈ mg/(m*s)	0,05
Fluid resistance - thickness increase			
Oil IRM 903	(5h/150°C)	ASTM F 146	3
ASTM Fuel B	(5h/23°C)	ASTM F 146	5

1 - suitable area (even for steam application)
2 - suitable extended area, technical advice is recommended
3 - for this area technical consultation is mandatory