

# J-FLEX MATERIAL DATA SHEET

## METAL DETECTABLE SILICONE SPONGE QUALITY: MDSP1043

Produced using good manufacturing practice and fully post-cured.

PROPERTY	SPEC LIMITS	TYPICAL VALUE	TEST METHOD
COLOURS	Light Grey and Dark Blue		
*DENSITY	300 Kg/m <sup>3</sup> (+/-40)	315Kg/m <sup>3</sup>	BSENISO 845
**COMPRESSION STRESS 40% Strain	90kPa (+/-40) 13 psi (+/-5.8)	112.1kPa 16.3 psi	BSENISO 3386 pt 1,2
TENSILE STRENGTH	0.8 MPa min 116 psi	1.47 MPa 213 psi	BSENISO 1798
ELONGATION TO FAILURE	150% min	214%	BSENISO 1798
COMPRESSION SET 50% Compression 24 hours recovery 22hrs @ 70°C	15% max	5%	BSENISO 1856
MAGNETIC PULL	5mm min	5.7mm	J-Flex Rubber Products Work Instruction SEWI/700 Issue 3
TEMPERATURE RANGE	-60°C to 230°C (up to 250°C Intermittent)		

\*Density measured on 25mm diameter cord sample.

The density of samples of different sizes will be different from that stated here.

\*\* Compression Stress measured on samples defined in BSENISO 3386.

The compressive stress on samples of different dimensions, especially thickness may vary from that quoted here.

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