

J-FLEX MATERIAL DATA SHEET

FDA COMPLIANT METAL DETECTABLE SILICONE CALENDERED SHEET GRADE: ST

PROPERTY	TYPICAL VALUE	TEST METHOD
COLOUR:	Blue (nearest Pantone – 2955U)	
HARDNESS:	68.7° Shore 'A'	ASTM D2240 DIN ISO 7619-1
TENSILE STRENGTH:	8.42 MPa	ISO 37 type 1 ASTM D412 die C DIN 53504 type S1
ELONGATION TO FAILURE:	327%	ISO 37 type 1 ASTM D412 die C DIN 53504 type S1
TEAR STRENGTH:	19.1 N/mm	ASTM D624 die B
COMPRESSION SET: (25% for 24hrs @ 150°C)	11.2%	BS903 pt A6 type B DIN /ISO 815 type B
MAGNETIC PULL:	7.3mm (Maximum travel distance)	J-Flex Rubber Products Work Instruction SEWI 700
Magnetic Pull Test: Sample Size: 2mm x 2mm x 2mm thick Magnetic Size: 20.5mm diameter, with a maximum pull of 4Kg		
TEMPERATURE RANGE:	-60°C to 200°C (and up to 250°C intermittent)	

Notes: Special J-Flex Silicone Rubber containing additives which are visible to metal detector scanning equipment; so that any rubber contamination in the product can be easily identified.



This product contains only ingredients that are listed by the American Food and Drugs Administration (FDA) under the 21 CFR number 177-2600 and is also in compliance with Directive EC 1935:2004.



Food Safety
EC No. 1935: 2004

It is also confirmed that this material meets the migration limits stated in EC Directive 2002/72/CE and its amendments and is specifically tested in accordance with UNE-EN 1186 "Materials and articles in contact with foodstuffs - Plastics" - Part 3 (aqueous food stimulant) & Part 14 (fatty food stimulant).

Typical Applications:- Metal detectable seals, gaskets, joints & strips used in sensitive food, drink & pharmaceutical applications.

Issue 4

May 2013



J-FLEX RUBBER PRODUCTS
Engineering Rubber Components & Specialised Sheeting Products

Units 1 & 2, London Road Business Park, Retford,
Nottinghamshire, DN22 6HG, United Kingdom

tel: +44 (0) 1777 712 400 fax: +44 (0) 1777 712 409
www.j-flex.co.uk

