

J-FLEX MATERIAL DATA SHEET

FDA COMPLIANT TRANSLUCENT SILICONE RUBBER SHEETING 40° SHORE 'A' QUALITY: T040



PROPERTY	TEST METHOD	UNITS	SPECIFICATION LIMITS	TYPICAL VALUE
HARDNESS	ASTM D2240 DIN ISO 7619-1	°Shore A	40° (+/-5)	40
TENSILE STRENGTH	ISO 37 type 1 ASTM D412 Die C DIN 53504 type S1	MPa	6.0 min	7.0
		psi	870 min	1015
ELONGATION @ BREAK	ISO 37 type 1 ASTM D412 die C DIN 53504 type S1	%	300 min	450
TEAR STRENGTH	ASTM D624 die B	N/mm lb/in	8.5 min 48.9 min	10.2 58.3
COMPRESSION SET 24hrs @ 150°C 22hrs @ 300°F	BS 903 pt A6 type B DIN/ISO 815 type B ASTM D395 method B type 2	%	35 max	25
		%	35 max	22
THERMAL CONDUCTIVITY	VDE 0304		0.24 W.m ⁻¹ .K ⁻¹	
TEMPERATURE RANGE	-60°C to +230°C (Continuous)		+250°C (Intermittent)	

All Silicone sheet products supplied by J-Flex comply with these regulations:-



Food Safety
EC No. 1935: 2004

WRAS APPROVAL NO. 1310541: Approved for use with potable water up to 85°C in accordance to BS 6920.

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J-FLEX

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These sheetings have been fully post cured and all the ingredients used in production are listed in FDA 21 CFR 177. 2600.

We manufacture our FDA materials in accordance with FDA guidelines set out in 21 CFR 177.2600 and the manufactured materials have been tested to, and comply with the tests listed in 21 CFR 177.2600 (d) to (h).

This makes them suitable for contact with dry, aqueous and fatty foods defined by the FDA.

As stated in 21 CFR 177.2600 it is recommended that the manufactured article is thoroughly cleansed prior to first use in contact with food.

Also complies with the BFR XV Empfehlung and colour bleed test according to BfR Empfehlung part B 11 & Directive EC 1935/2004 regulations for contact with foodstuffs.

These products meet the flammability requirements of FAR 25/JAR 25/CS 25 Appendix F, Part 1, (a)(1)(iv) & (a)(1)(v) horizontal flammability tests and Automotive Standard PART 571FMVSS302.

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