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**Metal Detectable Blue Silicone 60° shore WJ1442**

**FDA 21 CFR 177.2600 – EU1935/2004 compliant**

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.30	ASTM D297	1.30
HARDNESS	DIN 53505	60 ± 5 SH A	ASTM D2240	60 ± 5 SH A
TENSILE STRENGTH (MIN)	DIN 53504	853 PSI	ASTM D412	60 KG/CM2
ELONGATION AT BREAK (MIN)	DIN 53504	300%	ASTM D412	300%
COMPRESSION SET (70° C/24 HRS/25% SET) (MAX)	DIN 53517	45%	ASTM D395 METHOD B	45%
TEAR RESISTANCE (ANGULAR) MIN	DIN 53515	95 LBS/INCH	ASTM D624	17 KG/CM
POLYMER CONTENT (%)				100
CHANGE IN PROPERTIES				
HEAT AGEING (72 HRS. AT 100 °C)			ASTM D573	
--- HARDNESS (PTS)		+ 1 (MAX)		+ 1 (MAX)
--- TENSILE STRENGTH (%)		±5		±5
--- ELONGATION AT BREAK (%)		±5		±5
VOLUME SWELL: AT 70° C FOR 72 HRS/IN			ASTM D 471	
IRM OIL NO.1		NA		NA
IRM OIL NO.2		NA		NA
IRM OIL NO.3		NA		NA
CHEMICAL RESISTANCE				
--- OZONE		EXCELLENT	ASTM D 1149	EXCELLENT
--- DILUTE ACIDS AND BASES		FAIR		FAIR
--- CONCENTRATED ACIDS AND BASES		FAIR		FAIR
--- OILS		FAIR		FAIR
--- SOLVENTS		FAIR		FAIR
TEMPERATURE RANGE		-60 ° TO + 200° C		-60 ° TO + 200° C
COLOUR		RAL 5026 BLUE		RAL 5026 BLUE
POLYMER CONTENT (%)		100		

**Extraction Data Test Results**

**Test Name:** Determination of Amount of Extractives **Method:** With reference to US FDA 21 CFR 177.2600 For use in contact with aqueous food:

EXTRACTANTS	TEST CONDITIONS	RESULT (MG/INCH <sup>2</sup> )	REPORTING LIMIT (MG/INCH <sup>2</sup> )	PERMISSIBLE LIMIT (MG/INCH <sup>2</sup> )
DISTILLED WATER	REFLUX TEMPERATURE FOR 7 HOURS	ND	0.1	20
	SUCCEEDING 2 HOURS OF EXTRACTION	ND	0.1	1
COMMENT	--	PASS	--	--

For use in contact with fatty foods:

EXTRACTANTS	TEST CONDITIONS	RESULT (MG/INCH <sup>2</sup> )	REPORTING LIMIT (MG/INCH <sup>2</sup> )	PERMISSIBLE LIMIT (MG/INCH <sup>2</sup> )
n-HEXANE	REFLUX TEMPERATURE FOR 7 HOURS	ND	0.1	175
	SUCCEEDING 2 HOURS OF EXTRACTION	ND	0.1	4
COMMENT	--	PASS	--	--

Notes:

1. mg/inch<sup>2</sup> = milligram per square inch
2. ND = Not Detected
3. Test Condition has been provided by client

**Disclaimer**

Please note, failure to select the correct materials or products we supply ("the Products") may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.