



## Coru1442 - Metal Detectable Blue Silicone 60° shore

Approved to: 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