

M SEALS SC826

Metal detectable FDA compliant Silicone

MATERIAL DATA SHEET (Version 6.0 – 05.2022)



FDA Compliant



ADI FREE



Metal Detectable



NUT FREE

Description

M Seals material SC826 is a soft metal detectable Silicone Rubber (MVQ) which has been migration tested in accordance with FDA 21 CFR 177.2600 regulations. This fantastic attribute makes SC826 an excellent material choice for seals and other elastomeric parts which require excellent chemical and/or fluid compatibility while working in static food and beverage applications where contamination is absolutely unacceptable.

Physical Properties

Property	Test method	Unit	Typical value
Colour			Blue
Density	ISO 1183	g/cm ³	1.33
Hardness	ISO 7619-1	Shore A	60 (+/-5)
Tensile strength	DIN 53504-S1	N/mm ²	9
Elongation at break	DIN 53504	%	410
Minimum service temperature		°C	-60
Maximum service temperature		°C	+200

Global migration results of FDA extraction on SC826 material samples (mg/inch ²)							
FDA test method	Reflux test conditions	Sample 1	Sample 2	Sample 3	Mean	Limit*	Conclusion
CFR 177.2600	De-ionised water, 7 hours	≤0.5	≤0.5	≤0.5	≤0.5	20	PASS
CFR 177.2600	De-ionised water, 2 hours	≤0.5	≤0.5	≤0.5	≤0.5	1	PASS
CFR 177.2600	N-hexane, 7 hours	16	16	16	16	175	PASS
CFR 177.2600	N-hexane, 2 hours	1	1	1	1	4	PASS

* Maximum acceptable global migration according to FDA CFR 177.2600

Main Characteristics

- Metal detectable
- CFR 177.2600 FDA Compliant
- Extraction tested
- Blue in colour
- Animal Derived Ingredient Free (ADI Free)
- Does not contain ingredients derived from Nuts

Typical Products

- Extrusions
- Profiled gaskets / Lid Seals
- Flexible tubing
- Flat Gaskets
- Joined Rings
- O-Ring Cord / Square Section Cord

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