

CERTIFICATE OF COMPLIANCE

Silicone CHR401/30 S

Date: 31-08-2021

Version: 3.0

CERTIFICATE FOR FOOD CONTACT

Reg (EC) No 1935/2004

BEK No 681 of 25/05/2020

Reg (EC) No 2023/2006

FDA § 21 CFR 177.2600



CARSTEN HOLM A/S certifies the suitability for repeated contact directly or indirectly with food based on technical information and component analysis.

All articles are produced in compliance with good manufacturing standards so that they do not transfer their constituents to food and gives a high level of protection to human health.

The articles were examined and is in compliance with the demands of the Food and Drug Administration (FDA) Regulations §21 CFR 177.2600.

The material is REACH and RoHS Conform, SVHC free, free, Latex free, Phthalate free & Bisphenol A free.

The regulations for documentation and labeling protocol have been fulfilled.

Signed by

Ulrik Holm
Manager
CARSTEN HOLM A/S

DATASHEET

DATASHEET		Date: 8-11-2019
		Version: 2.0
CH No.	CHR401/30 S	
Basic elastomer	Silicone rubber	
Colour	Transparent	
Temperature range	From -60 °C to +200 °C	
Approvals	FDA §21 CFR 177.2600 • EU 1935/2004 • EU 2023/2006 • BfR • REACH • RoHS	

TYPICAL PROPERTIES			
Properties	Unit	Value	Test Method
Hardness	Shore A	30	DIN 53505
Density at 25°C, at 1013 HPa	g/cm ²	1.10	ISO 1183-1 A

CURING AGENT E			
Properties	Unit	Value	Test Method
Hardness	Shore A	32	DIN 53505
Tensile strength	N/mm ²	9.00	DIN 53504 S 1
Elongation at Break	%	720	DIN 53504 S 1
Tear strength	N/mm	23	ASTM D624 B
Rebound resiliency	%	52	DIN 53512
Compression set 22 hour at 175°C	%	36	DIN ISO 815-B

CURING AGENT C1			
Properties	Unit	Value	Test Method
Hardness	Shore A	30	DIN 53505
Tensile strength	N/mm ²	9.00	DIN 53504 S 1
Elongation at Break	%	880	DIN 53504 S 1
Tear strength	N/mm	32	ASTM D624 B
Rebound resiliency	%	54	DIN 53512
Compression set 22 hour at 175°C	%	20	DIN ISO 815-B

General:

VMQ (silicone) demonstrates excellent resistance to weather and ageing, plus excellent elastic properties. What's more, VMQ possesses outstanding temperature resistance, spanning -60 °C to +200 °. Although this must not be applied to hot water or steam. Silicone rubber almost matches NBR in oil resistance, it does not match the latter's physical and mechanical properties.

This rubber's areas of application result from its excellent temperature resistance and its excellent elasticity. Its areas of application in the food and pharmaceutical industries are versatile.

Please Note:

The values shown are only intended as a guide and should not be used in preparing specifications