

Data Sheet: V75 USP Class VI

MATERIAL: VITON® 75 SHORE USP CLASS VI 121°C
(COMPLIANT TO CFR 21 177-2600)

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -15°C to +200°C

LICENCE / CERTIFICATE: FDA.3A.USP CLASS VI
ADI FREE BPA FREE.3A

PHYSICAL PROPERTIES	TEST RESULT
HARDNESS SHORE, POINT	75±5
TENSILE STRENGTH, MPa	9,5
ULTIMATE ELONGATION, %	280

COMPRESSION SET 22 hrs @ 150°C, %	28
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HEAT AGEING 166 hrs @ 100°C HARDNESS SHORE CHANGE, POINT	+2
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IMMERSION TEST IN ANHYDROUS MILK FAT 22 hrs @ 70°C HARDNESS SHORE CHANGE, POINT	-1
VOLUME CHANGE, %	+0,2
MASS CHANGE, %	+0,1

IMMERSION TEST IN DISTILLED WATER 22 hrs @ 70°C HARDNESS SHORE CHANGE, POINT	-1
VOLUME CHANGE, %	+0,3
MASS CHANGE, %	+0,5

IMMERSION TEST IN 0,5% NITRIC ACID 22 hrs @ 82°C HARDNESS SHORE CHANGE, POINT	+1
VOLUME CHANGE, %	+2,4
MASS CHANGE, %	+1,2

IMMERSION TEST IN ALKALINE CLEANER 22 hrs @ 82°C HARDNESS SHORE CHANGE, POINT	0
VOLUME CHANGE, %	+0,8
MASS CHANGE, %	+0,4

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PHYSICAL PROPERTIES

TEST RESULT

IMMERSION TEST IN CHLORINE SANITISER 22 hrs @ 70°C

HARDNESS SHORE CHANGE, POINT

+2

VOLUME CHANGE, %

+0,3

MASS CHANGE, %

0

The above test results are based on test slabs / buttons. The results from the actual parts may be different.

Issue Date: 17.01.2017