

Data Sheet: V75 USP Class VI FDA

MATERIAL: VITON 75 SHORE USP CLASS VI FDA

This material has been developed to support use of these Fluoroelastomers in Pharmaceutical processing and food processing applications. The desirable traits of cleanliness, low odour index are exhibited by this compound so that our customers receive an FKM product that leads the industry in cleanliness and purity.

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -10°C to +204°C

CERTIFICATES / LICENCES: USP Class VI 121°C <88> USP31, NF26, 2008
Animal Derivative Ingredient Free
FDA CFR21 177.2600
EC 1935/2004

PHYSICAL PROPERTIES	TEST RESULT
HARDNESS IRHD	75
TENSILE STRENGTH	9.5
ULTIMATE ELONGATION %	280
COMPRESSION SET	
24hrs @ 150°C %	28
TR-10 °C	-17
HEAT AGEING 166 hrs @ 100°C	
HARDNESS CHANGE POINT	+2
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 CHLORINE SANITISER 22 hrs @ 70°C	
HARDNESS SHORE CHANGE POINT	+2
VOLUME CHANGE %	+0.3
MASS CHANGE %	0
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 POINT	+1
VOLUME CHANGE %	+2.4
MASS CHANGE %	+1.2

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PHYSICAL PROPERTIES

IMMERSION TEST IN ALKALINE CLEANER 22 hrs @ 82°C

HARDNESS SHORE CHANGE POINT

VOLUME CHANGE %

MASS CHANGE %

TEST RESULT

0

+0.8

+0.4

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

Issue Date: 26.06.2015