COMPOUND: F348 FDA WHITE (xx)
POLYMER TYPE: Fluorocarbon Rubber FKM75 (+/-5°)

Physical Properties

Property	Test Method	Units	Typical Values
COLOUR			White
HARDNESS	ISO 48	°IRHD	75
TENSILE STRENGTH	ISO 37	MPa	15
MODULUS @ 100%	ISO 37	MPa	5.01
ELONGATION @ BREAK	ISO 37	%	303
TEAR STRENGTH	ISO 34	N/mm	27.5
SPECIFIC GRAVITY	ISO 2781	g/cm3	2.36

Description

This white FDA material has been designed and formulated specifically for a wide range of industrial applications, particularly that of food production. Based on peroxide cured fluorocarbon polymer, it gives excellent resistance to concentrated acids, aqueous chemicals, and steam/water at elevated temperatures. This material is tested to the requirements of FDA 21 CF 177-2600 (e) (f). Service Temperatures -15°C (+5°F) to +200°C (+392°F)

Compression Set

Typical Compression Set Values in Air @ 200°C Under 25% Strain (ISO 815)

These properties should not be regarded as specifications, but only as typical properties of the material described. It is intended for use by persons having technical skills and understanding of the seal and gasket design. Since the conditions of use are outside our control, nor have we designed the product shape, we can make no warranties, express or implied and assume no liability in connection with any use of this information.
Since development and improvement of compounds is a continuing process, Gapi reserves the right to modify their composition and characteristics.
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AIR-AGEING

Property (After 168 Hours @ 175°C)	Test Standard	Units	Typical Values
HARDNESS CHANGE	ISO 188	°IRHD	+4
TENSILE CHANGE	ISO 188	%	+35
ELONGATION CHANGE	ISO 188	%	-8

Property (After 336 Hours @ 175°C)	Test Standard	Units	Typical Values
HARDNESS CHANGE	ISO 188	°IRHD	+4
TENSILE CHANGE	ISO 188	%	+41
ELONGATION CHANGE	ISO 188	%	-3

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FDA Statement:
The above material supplied by Gapi Ltd has been formulated and tested to comply with the requirements of FDA 21 CFR 177.2600e & f for repeat use in contact with aqueous and fatty foods.

The above material also complies with the requirements of EU directive REGULATION (EC) No 1935/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 October 2004

Exceptions:
Article 3 (1) (C) bring about a deterioration in the organoleptic characteristics thereof.

Since the final conditions of use are outside of Gapi Ltd control we cannot test for deterioration in the organoleptic characteristics.

Extraction Test results for F348 in Distilled Water:

	Extractables (mg/inch2)	
Material Ref:	**7Hour Extraction**	**2Hour Extraction**
F348	<1	<1
FDA Specification	**20**	**1**

Extraction Test results for F348 in N-Hexane:

	Extractables (mg/inch2)	
Material Ref:	**7Hour Extraction**	**2Hour Extraction**
F348	0	0
FDA Specification	**175**	**4**

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ADI Statement:
The above material supplied by Gapi Ltd has been manufactured wholly from synthetic materials and does not contain any raw materials produced from substances derived from animal origin.

The manufacturing process does not use any ingredient of animal origin, nor does the product come into contact with animal products during storage and transportation. Therefore the above materials can be considered BSE/TSE Free.

BSE – Bovine Spongiform Encephalopathy
TSE – Transmissible Spongiform Encephalopathy

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