



VITON FDA – FLUROELASTOMER FOR FOOD APPLICATIONS

MATERIAL SPECIFICATION SHEET

Description:

This compound meets the requirements of FDA 177.2600 for rubber in contact with fatty foods. It can be used for high temperature processing of foods where nitrile or EPDM materials would not be sufficient.

Temperature Limits

Max Continuous Temperature: +180°C

Intermittent Max Temperature: +210°C

Min. Continuous Temperature: -10°C

Typical Physical Properties

Typical values are achieved during testing to standard ISO methods under standard laboratory condition, the results reflect those achieved consistently by the compound.

Property	Units	Typical Values and Tolerance	Test
Hardness	IRHD	65-75 IRHD (Typical 70RHD)	ISO 48
Tensile Strength	MPa	14.4	ISO 37
Modulus @ 100%	MPa	7.7	ISO 37
Elongation @ Break %	%	176	ISO 37
Tear Strength	N/mm	32	ISO 34
Specific Gravity		1.99	ISO 2781
Moulding Shrinkage			
24 HRS Compression Set @ 150°C under 25% strain	%	11/.1	



ISO 9001:2015 Q93057

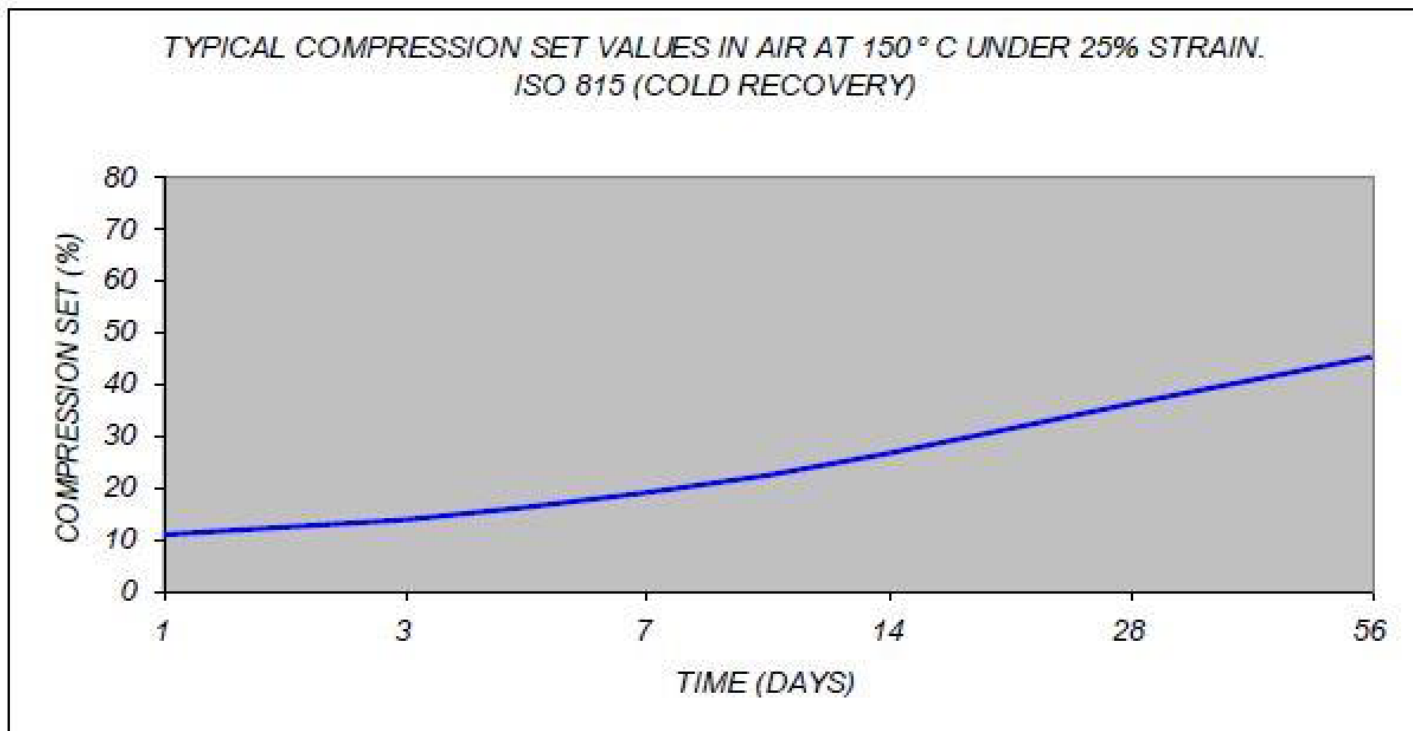
ISO 14001:2015 EMS 505718

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Air Ageing

Property (after 72 HRS at 200°C)	Units	Typical Values	Test Standard
Hardness Change	IRHD	-2	ISO 188
Tensile Change	%	+6	ISO 188
Elongation Change	%	-9	ISO 188

Long Term Compression Set



Absorption Tests

Property	Units	Typical Values	Test Standard
IRM 903, 72 HRS at 100°C volume change	%	-1.3	ISO 1817
Toluene, 72 hrs at ambient, volume change	%	+9.4	ISO 1817



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