



Product information

FLUOR-A-COM

COMMERCIAL FLUOROELASTOMER SHEETINGS

Property	Typical Values	Test Method
Type	A Type Fluoroelastomer Min. 66% Fluorine Content Conforming to ASTM D 2000 1MHK 708	
Specific Gravity	1.90 g/cm ³	ASTM D 297
Hardness	75° (+/-5°) Shore 'A'	ASTM D 2240
Tensile Strength	8 MPa	ASTM D 412
Elongation @ Break	180 %	ASTM D 412
Tear Resistance	22 N/mm	ASTM D 624
Compression Set 22hrs @ 175°C	25% Max	ASTM D 395 Method B
Working Temperature	-15°C to 250°C Continuous (Up to 315°C Intermittent)	

See Physical Test Results over page

Chemical Resistance – ASTM D 1149	
Ozone:	Excellent
Diluted Acids & Bases:	Excellent
Diluted Oils:	Excellent
Concentrated Acids & Bases:	Excellent
Concentrated Oils:	Good
Hydrocarbons:	Good
Organic Solvents:	Very Good

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Check out the download area of our website
www.j-flex.co.uk for other product information



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Physical Tests Conducted by Smithers – RAPRA

Hardness, IRHD - ASTM D 573

Ageing Condition	Average Test Result FLUOR-A-COM
Unaged	70
70hrs at 180°C	74
70hrs at 220°C	74
70hrs at 250°C	77

Tensile Strength, MPa - ASTM D 573

Ageing Condition	Average Test Result FLUOR-A-COM
Unaged	5.96
70hrs at 180°C	7.63
70hrs at 220°C	8.61
70hrs at 250°C	7.99

Elongation at Break, % - ASTM D 573

Ageing Condition	Average Test Result FLUOR-A-COM
Unaged	207
70hrs at 180°C	153
70hrs at 220°C	140
70hrs at 250°C	110

Volume Swell, % - ASTM D 471

Test Fluid	Average Test Result FLUOR-A-COM
IRM 903	1.8
Fuel B	2.3
Sulphuric Acid	5.0

Chemical description of Fluor-A-Com

Fluoroelastomers in a blend of fillers, curing agents and additives according to a proprietary recipe. Composition and information of the chemicals.

ELEMENT	CAS #	Percentage %
Hexafluoropropylene – Vinylidene Fluoride Copolymer 2641	9011-17-0	71.86%
Magnesium Oxide	1309-48-4	2.52%
Calcium Hydroxide	1305-62-0	4.31%
Carbon Black	1333-86-4	21.31%