

Data Sheet: FFKM3406-was 8708

MATERIAL: PERFLUOROELASTOMER 80 SHORE

Developed for food and pharmaceutical processing, automated CIP and SIP systems.

In accordance with FDA 21 CFR 177.2600 requirements.

COLOUR: WHITE

GENERAL SERVICE TEMPERATURE RANGE: -10°C to 230°C continuous (260°C Peak)

PHYSICAL PROPERTIES	TEST RESULT	TEST METHOD
HARDNESS, SHORE A	78	ASTMD2240
TENSILE STRENGTH, MIN, MPa	15.3	ASTMD412
ELONGATION, MIN, %	135	ASTMD412
100% MODULUS, MPa	9.5	ASTMD412
PERMANENT SET 70hrs @ 200°C MAX, %	25	ASTMD395/B
LOW TEMPERATURE FLEXIBILITY		
TR-10	-2	ASTMD1329
AIR AGING: 70hrs @ 225°C		
CHANGE IN HARDNESS, MAX PTS	+2	ASTMD573
CHANGE IN TENSILE STRENGTH, %	-8	ASTMD573
CHANGE IN ELONGATION, %	+16	ASTMD573
SATURATED STEAM IMMERSION: 168hrs @ 204°C		
CHANGE IN HARDNESS, MAX PTS	+3	ASTMD471
CHANGE IN TENSILE STRENGTH, MAX, %	-25	ASTMD471
CHANGE IN ULTIMATE ELONGATION, MAX, %	+17	ASTMD471
CHANGE IN VOLUME, %	+2	ASTMD471
HYDROCHLORIC ACID 37% IMMERSION: 72hrs @ 80°C		
CHANGE IN HARDNESS, MAX PTS	-2	ASTMD471
CHANGE IN TENSILE STRENGTH, MAX, %	+3	ASTMD471
CHANGE IN ULTIMATE ELONGATION, MAX, %	+8	ASTMD471
CHANGE IN VOLUME, %	+2	ASTMD471
SODIUM HYDROXIDE 40% IMMERSION: 72hrs @ 100°C		
CHANGE IN HARDNESS, MAX PTS	0	ASTMD471
CHANGE IN TENSILE STRENGTH, MAX, %	+10	ASTMD471
CHANGE IN ULTIMATE ELONGATION, MAX, %	+4	ASTMD471
CHANGE IN VOLUME, %	+0.6	ASTMD471

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CHANGE IN VOLUME, % MAX	<10	ACIDS
CHANGE IN VOLUME, % MAX	<10	ALKALIS
CHANGE IN VOLUME, % MAX	<10	KETONES
CHANGE IN VOLUME, % MAX	<10	ESTERS

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

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