

Data Sheet: FFKM3703 was 8748

MATERIAL: PERFLUOROELASTOMER 70 SHORE

Specific compound for Quad Ring / X Rings. 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	70	ASTMD2240
TENSILE STRENGTH, MIN, MPa	15.9	ASTMD412
ELONGATION, MIN, %	263	ASTMD412
100% MODULUS, MPa	6.3	ASTMD412
PERMANENT SET		
70 hrs @ 200°C MAX, %	18	ASTMD395/B
LOW TEMPERATURE FLEXIBILITY		
TR-10	-2	ASTMD1329
AIR AGING: 70 hrs @ 250°C		
CHANGE IN HARDNESS, MAX PTS	-1	ASTMD573
CHANGE IN TENSILE STRENGTH, %	-1	ASTMD573
CHANGE IN ELONGATION, %	+7	ASTMD573
STEAM AGEING: 168 hrs @ 220°C		
CHANGE IN HARDNESS, MAX PTS	-2	ASTMD471
CHANGE IN TENSILE STRENGTH, MAX, %	-9	ASTMD471
CHANGE IN ULTIMATE ELONGATION, MAX, %	+5	ASTMD471
CHANGE IN VOLUME, %	+2.2	ASTMD471
NITRIC ACID 65% IMMERSION: 168 hrs @ 80°C		
CHANGE IN HARDNESS, MAX PTS	-10	ASTMD471
CHANGE IN TENSILE STRENGTH, MAX, %	-30	ASTMD471
CHANGE IN ULTIMATE ELONGATION, MAX, %	+5	ASTMD471
CHANGE IN VOLUME, %	+10	ASTMD471
POTASSIUM HYDROXIDE 50% IMMERSION: 168 hrs @ 20°C		
CHANGE IN HARDNESS, MAX PTS	-2	ASTMD471
CHANGE IN TENSILE STRENGTH, MAX, %	-10	ASTMD471
CHANGE IN ULTIMATE ELONGATION, MAX, %	-15	ASTMD471
CHANGE IN VOLUME, %	+0.4	ASTMD471

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

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