

Data Sheet: FFKM 3152

MATERIAL: PERFLUOROELASTOMER 75 SHORE

Broad chemical resistance. Used as a standard compound in a variety of applications.
This compound meets the FDA requirements according to CFR 177.2600 in regard to global migration.
Low temperature flexibility.

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -30°C to +230°C

PHYSICAL PROPERTIES	TEST METHOD	TESTED VALUES
SPECIFIC GRAVITY, g/cm ³	ISO 2781	1.89
HARDNESS, Shore A	ISO 868	75
MODULUS, Mpa	ISO 37	6.8
TENSILE STRENGTH, Mpa	ISO 37	10.1
ELONGATION, %	ISO 37	129

VOLUME CHANGE

NITRIC ACID (60%), 240 hrs @ 40°C	ASTM D471	<5
STEAM, 720 hrs @ 190°C	ASTM D471	<5
ETHYLENEDIAMINE, 504 hrs @ 40°C	ASTM D471	<5
MEK, 504 hrs @ 40°C	ASTM D471	<5

PROPERTY	UNIT	STANDARD	SPECIFIC	CONDITIONS	TESTED
PERMANENT SET	%	ASTM D395 (OR214)	INITIAL DEF. 24%	70H/200°C	20
TR-10	°C	ASTM D1329			-20

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

Issue Date: 05/09/2016