

# Data Sheet: FFKM 3153

## 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:** WHITE

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

PHYSICAL PROPERTIES	TEST METHOD	TESTED VALUES
SPECIFIC GRAVITY, g/cm <sup>3</sup>	ISO 2781	2.29
HARDNESS, Shore A	ISO 868	75
MODULUS, Mpa	ISO 37	5.5
TENSILE STRENGTH, Mpa	ISO 37	7.9
ELONGATION, %	ISO 37	140

### 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/B S.2	INITIAL DEF. 25%	70H/200°C	24
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: 07/09/2016**