

# Data Sheet: FFKM8753

## MATERIAL: PERFLUOROELASTOMER 70 +/-5 SHORE

This compound is recommended for General use for high temperatures. It has broad chemical resistance and excellent steam resistance.

**COLOUR:** BLACK

**GENERAL SERVICE TEMPERATURE RANGE:** -10°C to +300°C continuous use (330°C Peak)

PHYSICAL PROPERTIES	TEST METHOD	TEST RESULT
HARDNESS SHORE A	ASTM D2240	72
TENSILE STRENGTH, N/mm <sup>2</sup>	ASTM D412	18
ELONGATION, %	ASTM D412	230
MODULUS 100%, N/mm <sup>2</sup>	ASTM D412	7
<b>COMPRESSION SET</b>		
70 hrs @ 200°C %	ASTM D395/B	13
70 hrs @ 300°C %	ASTM D395/B	32
<b>LOW TEMPERATURE FLEXIBILITY</b>		
TR-10°C	ASTM D1329	+4
<b>AIR AGEING, 70 hrs @ 280°C</b>		
HARDNESS CHANGE, SHORE A	ASTM D573	0
TENSILE STRENGTH CHANGE, %	ASTM D573	-2.5
ELONGATION CHANGE, %	ASTM D573	+19
MODULUS CHANGE, %	ASTM D573	-10
<b>AIR AGEING, 70 hrs @ 300°C</b>		
HARDNESS CHANGE, SHORE A	ASTM D573	0
TENSILE STRENGTH CHANGE, %	ASTM D573	-15
ELONGATION CHANGE, %	ASTM D573	+50
MODULUS CHANGE, %	ASTM D573	-28
<b>AIR AGEING, 70 hrs @ 320°C</b>		
HARDNESS CHANGE, SHORE A	ASTM D573	0
TENSILE STRENGTH CHANGE, %	ASTM D573	-30
ELONGATION CHANGE, %	ASTM D573	+80
MODULUS CHANGE, %	ASTM D573	-40
<b>FLUID RESISTANCE OVERVIEW</b>		
VOLUME CHANGE, %	AMINES (RT)	<10
VOLUME CHANGE, %	KETONES	<10
VOLUME CHANGE, %	ESTERS	<10
VOLUME CHANGE, %	ETHERS	<10
VOLUME CHANGE, %	SOUR GAS	<10

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

**Issue Date: 30.07.2014**