



# DATA SHEET KF90LT

## General properties

Standard	ASTM
Indicative working temperature	-15°C/+230°C
Color	BLACK
Chemical resistance	<input type="checkbox"/> Oil Free <input checked="" type="checkbox"/> Phthalate Free <input checked="" type="checkbox"/> Reach&RoHs2.0

## Properties

	Method	Unit	Required value	value
Hardness	ASTM D 2240	Shore A	90+/-5	91
Tensile strength	ASTM D 412/C	N/mm2(Mpa)		17.97
Elongation at break	ASTM D 412/C	%		171
Tear strength	ASTM D 624/B	N/mm		38.22
Specific gravity	ASTM D 1817	g/cm3		1.954
Low temperature test-TR10	ASTM D 1329	°C		
Low temperature test-Brittleness	ASTM D 746	°C		
Compression Set after deformation of 25%, 22 hours at 200°C	ASTM D 395/B	%		30
Modulus at 100%		Mpa		12.04

## Ageing

Fluid	Time(h)	Temperature °C	Tensile %	Elongation %	Hardness Pts	Volume %	Weight %
Air	70	275	-34	-34	+4	-8.1	
Air	70	200	+4	-9	+4	-1.2	
ASTM1	70	150	-1	+2	0	0	
ASTM3	70	150	-3	+5	0	+2	
Fuel B	70	23	-4	+11	0	+1.6	
Fluid resistance D471 Bio-Diesel(B100)(CPC)	72	100	-11	+12	-2	+2.9	
Fluid resistance D471 Bio-Diesel(B100)(CPC)	166	100	-9	+5	-1	+4.8	

TR-10 Retraction at Lower Temperature resistance, ASTM D1329 , 51 mm die, 50% elongation, retraction 10% min -20.7°C

Low-temperature resistance, ASTM D2137, Method C, 3 min at -15 °C NG

Low-temperature resistance, ASTM D2137, Method C, 3 min at -14 °C PASS

## Approval

SPEC:  
Date : 18/02/2014  
Edit date: 09/01/2022  
Index:  
Author:

SVHC = Substance of Very High Concern according to regulation REACH 1907/2006

These data are for information only.

They can be modified at any moment without notice.

Values indicated above are based on tests conducted on laboratory samples.

Values on finished parts can be different depending on shape, curing parameters etc