

Data Sheet: FKM90 LT50 AED

MATERIAL: FLUOROELASTOMER 90 SHORE AED

Low temperature / Anti-Explosive Decompression. Norsok M-710 Approved (Rev.2 October 2001)
NACE TM0187 Tested – Sour Fluid test

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -50°C to +225°C (+250°C for short periods)

PHYSICAL PROPERTIES	ASTM TEST METHOD	TEST RESULT
HARDNESS, SHORE A, PTS	ASTMD2240	88
TENSILE STRENGTH, MIN, MPa	ASTMD412	17
ELONGATION, MIN, %	ASTMD412	121
SPECIFIC GRAVITY	ASTMD1817	1.83
TEAR STRENGTH, N/mm	ASTMD624/B	33
COMPRESSION SET		
70 hrs @ 200°C	ASTMD395/B	30
AIR AGING, 70 hrs @ 250°C		
CHANGE IN HARDNESS, POINTS	ASTMD573	+3.5
CHANGE IN TENSILE STRENGTH %	ASTMD573	-7.5
CHANGE IN ELONGATION %	ASTMD573	-11
FLUID RESISTANCE, FUEL C 70 hrs @ 23°C		
CHANGE IN HARDNESS, POINTS	ASTMD471	-7.5
CHANGE IN TENSILE STRENGTH %	ASTMD471	-23
CHANGE IN ELONGATION %	ASTMD471	-18
CHANGE IN VOLUME %	ASTMD471	+6
BRITTLE POINT	ASTMD2137-A	-45°C
TG MIDPOINT	ASTMD3418B	-40°C
TR10	ASTMD1329	-41°C

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

Issue Date: 19.08.15