Data Sheet: FFKM 3526 (was 8740)

MATERIAL: PERFLUOROELASTOMER 75 +/-5 SHORE

Outstanding resistance to aggressive media. Optimized formulation for the largest range of applications.

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -5°C to +230°C continuous (+260°C Peak)

PHYSICAL PROPERTIES	TEST METHOD	TESTED VALUES
HARDNESS SHORE A	ASTM D2240	80
TENSILE STRENGTH MPa	ASTM D412	16.7
ELONGATION %	ASTM D412	142
MODULUS 100%	ASTM D412	11.3
COMPRESSION SET		
70 hrs @ 200°C %	ASTM D395/B	26
LOW TEMPERATURE FLEXIBILITY		
TR-10°C	ASTM D1329	-2
AIR AGEING, 70 hrs @ 230°C		
HARDNESS CHANGE SHORE A	ASTM D573	+1
TENSILE STRENGTH CHANGE %	ASTM D573	+2
ELONGATION CHANGE %	ASTM D573	+10
STEAM IMMERSION, 168 hrs @ 230°C		
HARDNESS CHANGE, SHORE A	ASTM D471	+2
VOLUME CHANGE %	ASTM D471	+6
SULPHURIC ACID 98% IMMERSION, 168 hrs @ 175°C		
HARDNESS CHANGE, SHORE A	ASTM D471	-2
VOLUME CHANGE %	ASTM D471	+6
AMMONIA HYDROXIDE 30% IMMERSION, 168 hrs @ 100°C		
HARDNESS CHANGE SHORE A	ASTM D471	-1
VOLUME CHANGE %	ASTM D471	+5
MEK IMMERSION, 168 hrs @ 23°C		
HARDNESS CHANGE SHORE A	ASTM D471	-1
VOLUME CHANGE %	ASTM D471	0
TOLUENE IMMERSION, 168 hrs @ 23°C		
HARDNESS CHANGE SHORE A	ASTM D471	0
VOLUME CHANGE %	ASTM D471	-1

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PHYSICAL PROPERTIES	TEST METHOD	TESTED VALUES
ETHANOLAMINE IMMERSION, 168 hrs @ 23°C		
HARDNESS CHANGE, SHORE A	ASTM D471	-2
VOLUME CHANGE %	ASTM D471	-1

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

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