

Data Sheet: FFKM3205

MATERIAL: PERFLUOROELASTOMER 75 SHORE

VERY HIGH CHEMICAL RESISTANCE
DEVELOPED FOR VERY DEMANDING SEALING APPLICATIONS
RESISTANT TO HOT AMINES
CONFORMS TO FDA 177.2400

COLOUR: IVORY

GENERAL SERVICE TEMPERATURE RANGE: -10°C to 230°C continuous (260°C / 1000 hours)

PHYSICAL PROPERTIES	TEST METHOD	TEST RESULT
HARDNESS SHORE A	ASTM D2240	75
TENSILE STRENGTH, MPa	ASTM D412	16.7
ELONGATION, %	ASTM D412	220
MODULUS 100%	ASTM D412	6.8
COMPRESSION SET		
70 hrs @ 200°C %	ASTM D395/B	21
LOW TEMPERATURE FLEXIBILITY		
TR-10°C	ASTM D1329	-2
AIR AGEING, 70 hrs @ 225°C		
HARDNESS CHANGE, SHORE A	ASTM D471	+3
TENSILE STRENGTH CHANGE, %	ASTM D471	+2
ELONGATION CHANGE, %	ASTM D471	-11
GLACIAL ACETIC ACID, 336 hrs @100°C		
HARDNESS CHANGE, SHORE A	ASTM D471	-5
TENSILE STRENGTH CHANGE, %	ASTM D471	-13
ELONGATION CHANGE, %	ASTM D471	-15
VOLUME CHANGE, %	ASTM D471	+5
DIPROPYLAMINE IMMERSION, 168 hrs @ 150°C		
HARDNESS CHANGE, SHORE A	ASTM D471	-4
TENSILE STRENGTH CHANGE, %	ASTM D471	-27
ELONGATION CHANGE, %	ASTM D471	-14
VOLUME CHANGE, %	ASTM D471	+6.5
AMMONIA 28%, 336 hrs @ 100°C		
HARDNESS CHANGE, SHORE A	ASTM D471	-3
TENSILE STRENGTH CHANGE, %	ASTM D471	-19
ELONGATION CHANGE, %	ASTM D471	-16
VOLUME CHANGE, %	ASTM D471	+3.7

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

Issue Date: 27.05.2016