



MATERIAL DATA SHEET

Material ref: FK8090

Description: 90 duro fluoroelastomer

Typical Properties

	Test Method	Unit of Measure	Nominal Value	Obtained Value
Hardness	ASTM D2240	Shore A	90+/-5	89
Tensile Strength	ASTM D 412	KG/cm2	>100	120
Ult. Elongation	ASTM D412	%	>100	110
Specific Gravity	ASTM D1817	G/cm3	2.06+/-0.02	2.05
Compression Set 70 hrs @ 200C	ASTM 395B	%	30 max	23
Compression Set 22 hrs @ 200C	ASTM 395B	%	15 max	12
Air Aging 70 hrs @ 250C	ASTM D573			
Hardness Change		Shore A	+10 max	+3
Tensile Change		%	-25 max	+5
Elong. Change		%	-25 max	-22
Oil Aging ASTM 1 Oil 70 hrs @ 150C	ASTM D471			
Hardness Change		Shore A	+/-5	-2
Tensile Change		%	-10 max	-7
Elong. Change		%	-20 max	-14
Vol. Change		%	+/- 5	+1
Oil Aging ASTM 3 Oil 70 hrs @ 150C	ASTM D471			
Hardness Change		Shore A	+/-5	-3
Tensile Change		%	-15 max	-15
Elong. Change		%	-20 max	-20
Vol. Change		%	+10 max	+3