

F-2090N

Date of revision: 13/06/2016

FKM90 NERO/BLACK RGD application

Polimero di base (Polymer basis):	FKM B
Durezza (hardness)	90
Colore (colour)	NERO

Temperatura di utilizzo (range of temperature)

-20 °C / +220 °C

Materiale omologato ISO 23936-2:2011 (rif. norsok M-710) presso laboratori Element

Material approved ISO 23936-2: 2011 (ref. norsok M-710) at Element laboratories

Vulcanizzazione dei Provini (Samples curing conditions)

Dimensioni provette (Samples dimensions)	Vulcanizzazione (Curing)		Postvulcanizzazione (Postcuring)	
	tempo (time)	°C	tempo (time)	°C
Placchette (Testlabs) 2 mm. Thickness				
Placchette (Testlabs) 6 mm. Thickness	10 min.	180		
Circular plate with 12.90 mm. thickness				
Post-curing			24 hours	230

Caratteristiche Meccaniche (Mechanical Properties)

Prova (Tests)	unità di misura (measure unit)	valore rilevato (tested value)	Norma rif. (Ref. rule)
Durezza (Hardness)	Shore A	92	ASTM D2240
Densità (Specific Gravity)	g/cm ³	1.861	ASTM 1817
Carico di rottura (Tensile strength)	Mpa	15	ASTM D412 C
Allungamento a rottura (Elongation)	%	140	ASTM D412 C

Compression Set

				valore rilevato (tested value)	Norma rif. (Ref. rule)
After 70 hours	at	200 °C	deform. 25%	18	ASTM D 395/B
After 22 hours	at	200 °C	deform. 25%	13,80	ASTM D 395/B

Variazione delle caratteristiche (Limits for properties Modifications)

Prova in... (test with...)	tempo (time hour)	°C	Durezza (Hardness) Shore A	Carico rottura (Tens. Stren.) %	Allungamento (Elongation) %	Volume (Volume) %	Peso (weight) %	Norma rif. (Ref. rule)
Aria (air)	168	250	+2	-9.5	-16.5			ASTM D 573
FUEL C	70	23	+2	-9.5	-16.5			ASTM D 471

Prova in... (test with...)	tempo (time hour)	°C	Durezza (Hardness) Shore A	Carico rottura (Tens. Stren.) %	Allungamento (Elongation) %	Volume (Volume) %	Peso (weight) %	Norma rif. (Ref. rule)	
IRM 903 OIL	70	175	+2.5	-13	-10	+2.2		ASTM D 471	
Service Fluid 101	70	175	-7	-15.50	+6.8	+10		ASTM D 471	
Pentano	72	23					+2	ASTM D 471	
IRM 902 OIL	168	70	-1				+1	ASTM D 471	
test in CH ₄ /CO ₂ 90/10% MOL, pressione 150 Bar temperatura 100 °C: OMOLOGATO									ISO 233936-2-2011

Notes

The results shown are obtained from laboratory tests believed to be reliable. We do not guarantee that the same ones could be reproduced in other laboratories, using different conditions of preparation.