



Scheda prodotto – Product data sheet

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Rubber Compound NBR 90 – Back Up Ring

ASTM D2000 M2BG 910 A14 B14 EA14 EF11 EF21 EO14 EO34 F17

Rev.	Date	Updates
03	16/09/20	Updated values and change data sheet format
02	16/07/14	Updated values
01	25/09/12	Updated values
00	02/11/09	First edition

Physical Properties

Temperatura di utilizzo: -40°C a +100°C

Operating temperature range: -40°C to +100°C

Proprietà	Property	Test Method	Units	Measured Value
Durezza	Hardness	ASTM D 2240	Shore A	89
Densità	Density	ASTM D 297	g/cm ³	1.42
Carico a rottura	Tensile strength	ASTM D 412 C	MPa	11.37
Allungamento a rottura	Elongation at break	ASTM D 412 C	%	220
Brittle point	Brittle point	ASTM D 2137	°C	-40 pass
Compression set 22 hrs @ 100°C	Compression set 22 hrs @ 100°C	ASTM D 395 B	%	10

Change in properties after ageing

Test conditions ASTM D 573 (Aria – Air) / ASTM D 471 (Fluidi – Fluids)

Ambiente Medium	Tempo Time	°C	Durezza Hardness	Δ Tensile Strength	Δ Elong. At break	Δ Volume	Δ Weight
Aria - Air	70	100	+3	+7.5	-29	-	-
IRM 901	70	100	+6	+18.6	-29.5	-1.5	-
IRM 903	70	100	-10	+15.5	-26	10.5	-
WATER	70	100	-	-	-	+4.4	-
FUEL A	70	23	-1	+1	0	+1.5	-
FUEL B	70	23	-17	-7.5	-15.8	+18	-

I dati riportati sono suscettibili di variazioni che GAPI riterrà di apportare per migliorare le caratteristiche del materiale. Le informazioni fornite sono indicative.

Since development and improvement of materials is a continuing process, GAPI reserves the right to modify their characteristics. The information and suggestions are provided for guidance purpose only.