



Scheda prodotto – Product data sheet

PDS-GC-302160

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Rubber Compound FKM 75 – G6 Green

ASTM D2000 M2 HK 810 A1-10 B18 EF31 EO78 Z1

Z1 = Durezza Shore A 75 ± 5 – Hardness Shore A 75 ± 5

Rev.	Date	Updates
12	15/10/24	Added TSCA regulation and update values
11	19/04/22	Update values and change data sheet format

Parametri di vulcanizzazione provini	Specimens Vulcanization parameters
Lastre spessore 2 mm: 177°C per 7 minuti	Slab 2 mm thickness: 177°C. for a period of 7 minutes
Bottoni diametro 29 mm spessore 12.5 mm 177°C per 15 minuti	Buttons diameter 29 mm thickness 12.50 mm 177°C. for a period of 15 minutes
Post vulcanizzazione: 24 ore a 230°C	Post-cure cycle: 24 hours at 230°C

Physical Properties

Temperatura di utilizzo: -15°C a +200°C	Operating temperature range: -15°C to +200°C
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Proprietà	Property	Test Method	Units	Measured Value
Durezza	Hardness	ASTM D 2240	Shore A	78 (Z1)
Densità	Density	ASTM D 792	g/cm ³	2.110
M100	M100	ASTM D 412 C	MPa	6.5
Carico a rottura	Tensile strength	ASTM D 412 C	MPa	10
Allungamento a rottura	Elongation at break	ASTM D 412 C	%	175
Resistenza a lacerazione	Tear strength	ASTM D 624 B	N/mm	31
Brittle point	Brittle point	ASTM D 2137	°C	-10
Glass transition Tg (DSC)	Glass transition Tg (DSC)	ASTM D 3418	°C	-16
TR Test TR10	TR Test TR10	ASTM D 1329	°C	-16
Compression set 22 hrs @ 200°C	Compression set 22 hrs @ 200°C	ASTM D 395 B	%	15
Ozone Resistance 72 hrs - 40°C - 50pphm - 20% Elong.	Resistenza all'Ozono 72 hrs - 40°C - 50pphm - 20% Elong.	ASTM D 1149	-	No crack

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	250	3	+5	-25	-	-
FUEL C	70	23	-2.5	-5	-15	+2.2	+1
FLUID 101	70	200	-9	-25	+10	+9.1	+4
IRM 901 Oil	70	150	+1	+7.6	+8.3	+0.2	+0.1
IRM 903 Oil	70	150	-1	+2.8	+7.0	+1.7	+0.8
Acqua - Water	70	100	-0.5	-	-	+1.3	+0.6

TSCA sezione 8(a)(7)

Gli articoli prodotti con questo materiale contengono 1-Propilene, 1,1,2,3,3,3-esafuoro-, polimero con 1,1-difluoroetilene cas:9011-17-0 in concentrazione in peso <63%. Politetrafluoroetilene PTFE cas:9002-84-0 in concentrazione in peso <2,5%

TSCA section 8(a)(7)

Articles manufactured with this material contain 1-Propylene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethylene cas:9011-17-0 in concentration by weight <63%. Polytetrafluoroethylene PTFE cas:9002-84-0 in concentration by weight <2.5%

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.