



Scheda prodotto – Product data sheet

PDS-GC-302718

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Rubber Compound FKM 75 – G6

ASTM D2000 M4 HK 710 A1-11 B18 B38 EF31 EO78 Z1

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

Certificazioni - Certifications

Conforme a EN 549 Classe Temp. E1, Classe Durezza H3 – Compliant with EN 549 Temp. Classes E1, Hardness Classes H3

Conforme a Regolamento ECE ONU R67 - - Compliant with ECE ONU R67 regulation

Date	Revision	Details of changes
18/02/25	26	Change data sheet format
17/02/25	25	Added PFAS content
24/09/24	24	Added TSCA regulation and updated values

Parametric 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
Bottoni diametro 13 mm spessore 6 mm 177°C per 15 minuti	Buttons diameter 13 mm thickness 6 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
Temperature per brevi periodi	-15°C a +250°C	Temperature range for short period	-15°C to +250°C

Proprietà	Property	Test Method	Units	Measured Value
Durezza	Hardness	ASTM D 2240	Shore A	79 Z1
Densità	Density	ASTM D 792	g/cm ³	1.890
M100	M100	ASTM D 412 C	MPa	6
Carico a rottura	Tensile strength	ASTM D 412 C	MPa	11.5
Allungamento a rottura	Elongation at break	ASTM D 412 C	%	183
Resistenza a Lacerazione	Tear strength	ASTM D 624 B	N/mm	28
Brittle point	Brittle point	ASTM D 2137	°C	-13
TR Test TR10	TR Test TR10	ASTM D 1329	°C	-16
Compression set SOLID 22 hrs @ 200°C	Compression set SOLID 22 hrs @ 200°C	ASTM D 395 B	%	12
Compression set PILED 22 hrs @ 200°C	Compression set PILED 22 hrs @ 200°C	ASTM D 395 B	%	14.5
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	+5	+6	-7.8	-	-
Aria - Air	70	275	+7	-15.5	-12	-	-
IRM 903	70	150	-1	-	-	+2	+1.2
FUEL C	70	23	-2	-12	-5	+1.5	+0.9
FLUID 101	70	200	-8	-10	-10	+9.9	+4.5

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ASTM D2000 M4 HK 710 A1-11 B18 B38 EF31 EO78 Z1

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

Certificazioni - Certifications

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Physical Properties

EN 549 Classe Temp. E1, Classe Durezza H3 -- EN 549 Temp. Classes E1, Hardness Classes H3

Proprietà	Property	Test Method	Units	Measured Value
Durezza	Hardness	ISO 48	IRHD	78
Carico a rottura	Tensile strength	ISO 37	MPa	12
Allungamento a rottura	Elongation at break	ISO 37	%	190
Compression set 168 hrs @ 175°C	Compression set 168 hrs @ 175°C	ISO 815	%	11
Compression set 70 hrs @ 0°C	Compression set 70 hrs @ 0°C	ISO 815	%	28
Ozone Resistance 72 hrs – 40°C – 50pphm – 20% Elong.	Resistenza all'Ozono 72 hrs – 40°C – 50pphm – 20% Elong.	ISO 1431/1	-	No crack

Change in properties after ageing

Test conditions ISO 188 (Aria – Air) / ISO 1817 (Fluidi – Fluids)

Ambiente Medium	Tempo Time	°C	Durezza Hardness	Δ Tensile Strength	Δ Elong. At break	Δ Volume	Δ Weight
Aria - Air	168	100	+1	+3	-3.5	-	-
Aria - Air	168	175	+1.6	+4.2	-5	-	-
IRM 902	168	100	-0.6	-1.6	+12	+1.1	+0.5
N-Pentane	72	23	-4	-8.3	-5	+0.4	+0.2
N-Pentane Dry	168	40	-1.5	-4.1	+10	+0.3	+0.1
N-Pentane Dry	48	40	-1	-2.3	+5	+0.1	+0.05

TSCA sezione 8(a)(7)

Gli articoli prodotti con questo materiale contengono 1-Propilene, 1,1,2,3,3,3-esafluoro-, polimero con 1,1-difluoroetilene cas:9011-17-0 in concentrazione in peso <66%.

PFAS contenuto

Gli articoli prodotti con questo materiale contengono 1-Propilene, 1,1,2,3,3,3-esafluoro-, polimero con 1,1-difluoroetilene cas:9011-17-0 in concentrazione in peso <66% e Bisfenolo AF cas:1478-61-1 in conc. in peso <=2%

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 <66%.

PFAS content

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 <66% and Bisphenol AF cas:1478-61-1 in conc. by weight <=2%.

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Rubber Compound FKM 75 – G6

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

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DIN-DVGW type examination certificate		NG-5112AR0807	
DIN-DVGW-Baumusterprüfzertifikat		Registration Number Registriernummer	
Field of Application Anwendungsbereich	products of gas supply Produkte der Gasversorgung		
Owner of Certificate Zertifikatinhaber	GAPI S.p.A. Via Molinaretti, 2, I-24060 Castelli Calepio (BG)		
Distributor Vertreiber	GAPI S.p.A. Via Molinaretti, 2, I-24060 Castelli Calepio (BG)		
Product Category Produktart	greasing and sealing materials: Elastomer material for seals in gas appliances (5112)		
Product Description Produktbezeichnung	sealing material made of elastomers with limited swelling in n-pentane for gas appliances and gas equipments		
Model Modell	FPM 75-G6		
Test Reports Prüfberichte	laboratory control test: 21-00534-KP01 from 31.05.2021 (EBI) type testing: 12/193/5112/1 from 10.09.2012 (EBI)		
Test Basis Prüfgrundlagen	DIN EN 549 (01.09.2019)		
Date of Expiry / File No. 08.05.2026 / 21-0201-GNV Ablaufdatum / Aktenzeichen			
			
02.07.2021 Rie A-1/2 Date, issued by: Sheet, Head of Certification Body Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle			
		DVGW CERT GmbH Zertifizierungsstelle Josef-Wimmer-Str. 1-3 53123 Bonn Tel. +49 228 91 88 - 888 Fax +49 228 91 88 - 993 www.dvbw-cert.com info@dvbw-cert.com	

Type	Technical Data	Remarks
Typ	Technische Daten	Bemerkungen
FPM 75-G6	hardness range class: H3 temperature range: 0...+150 temperature class: E1	

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