



COMPANY PROFILE

Member of **sealcore**[®]
network



DUCI srl
Chiuduno (BG)
First production plant

6.000 sqm total area
3.500 sqm covered area
60 employees

Production
Compound laboratory
Quality dpt
Optical inspection
Packaging
Mold maintenance



DUCI srl
Grumello del monte (BG)
headquarter & warehouse

24,000 sqm total area
14000 sqm covered area
40 employees

Intake and separation of finished products
Stock and product warehouse
Integrated logistics for Customers
(EDI or Standard)
Mold workshop
Quality dpt
Sales dpt



AFVC srl
Bolotana (NU)
Second production plant

50.000 sqm total area
39.410 sqm covered area
280employees

Production
Compound laboratory
Quality dpt
Optical inspection
Packaging
Mold maintenance
Mixer for compound acceleration

ADVANTAGES

- 100 % made in Italy
- Total customization of features (compound, finishing, colors) for each use
 - Infinite range of O-rings sizes
- Internal management of the entire production
 - On time stock service
- Chain extensive STOCK SERVICE assortment
 - Minimum quantity order
- Co-design of each single part required

TEST THE SERVICE!

FASTTRACK

**PRODUCTION & DELIVERY
FROM 24 HOURS TO 10 DAYS MAX
IN ALL OVER THE WORLD**



3
PLANT




2
INTERNAL
LABORATORY



10000
DIFFERENT
MOULDS



60000
M2 TOTAL
COVERED
AREAS



160
INJECTION
MACHINES



1200
DIFFERENT
COMPOUNDS



380
EMPLOYEES
(low turnover)



130
AUTOMATIC
CONTROL
MACHINES



6000^{M2}
WAREHOUSE



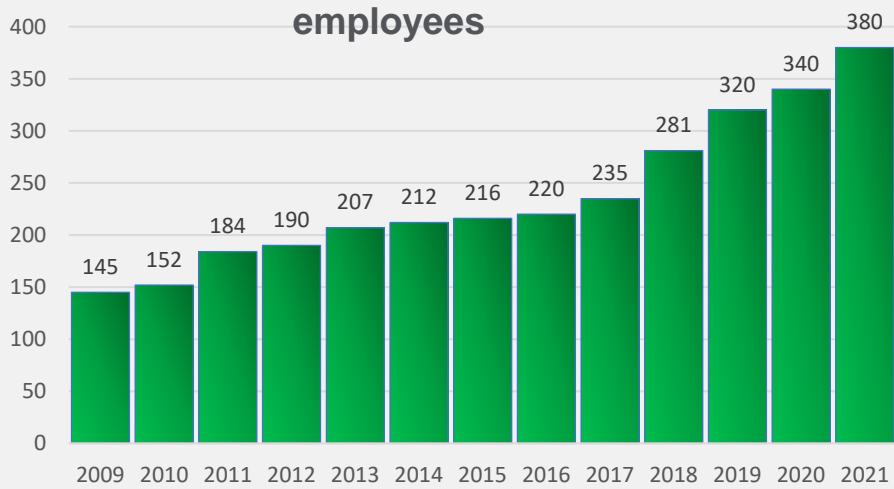
77
COUNTRIES
SUPPLIED



3
KITAMURA
IN OUR
TOOL SHOP



592.080.000
PIECES
READY IN STOCK



Produced pieces:

2019 2.950.000.000 pcs
 2020 2.780.000.000 pcs
 Aug.2021 2.241.000.000 pcs

Packaged pieces:

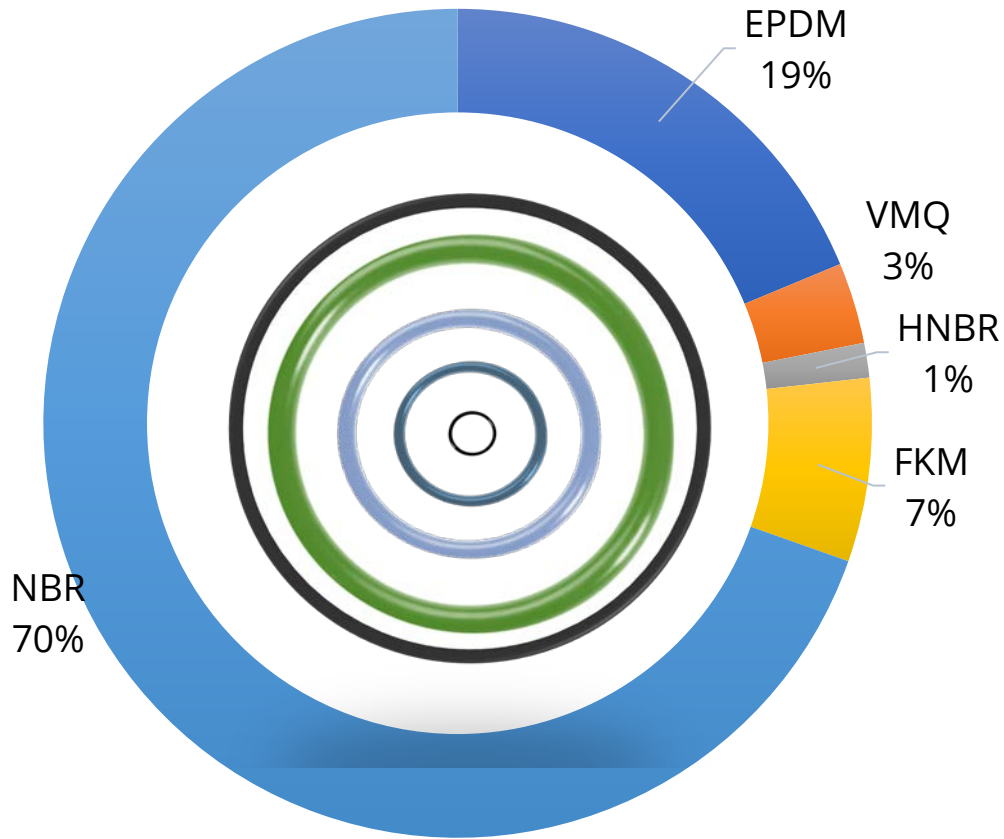
2019 2.920.000.000 pcs
 2020 2.560.000.000 pcs
 Aug.2021 2.040.000.000 pcs

Ready to buy in stock (Nov. 2021):

592.079.490 pcs



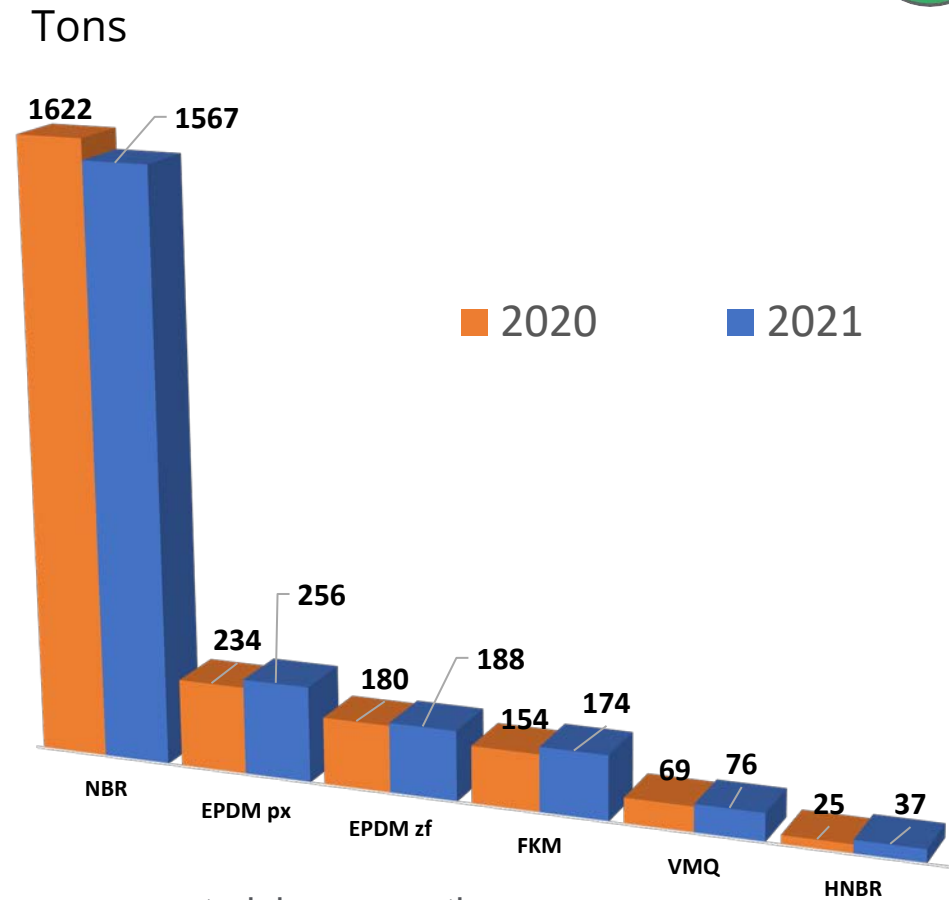
compound range



main materials
(impact on turnover)

We have developed and applied over 700 different compounds to meet the demands of new applications and be active on many markets. Each material has been meticulously designed for optimal performance over time and to provide the best possible value.

Each material can be made with hardnesses from 30 to 95 sh. and colors upon request.



material consumption

The staff of our laboratory is well-equipped with instrumentation for chemical analysis of compounds and, upon request, can develop customized compounds suitable to a wide variety of uses.

Low temperatures, aggressive environments, and high-wear applications are just some problems solved by using the right compound.



applications



**WATER
DISTRIBUTION**



ENERGY



AUTOMOTIVE



HYDRAULICS

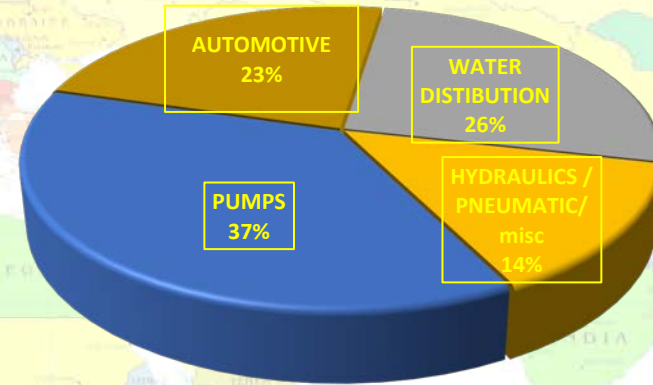
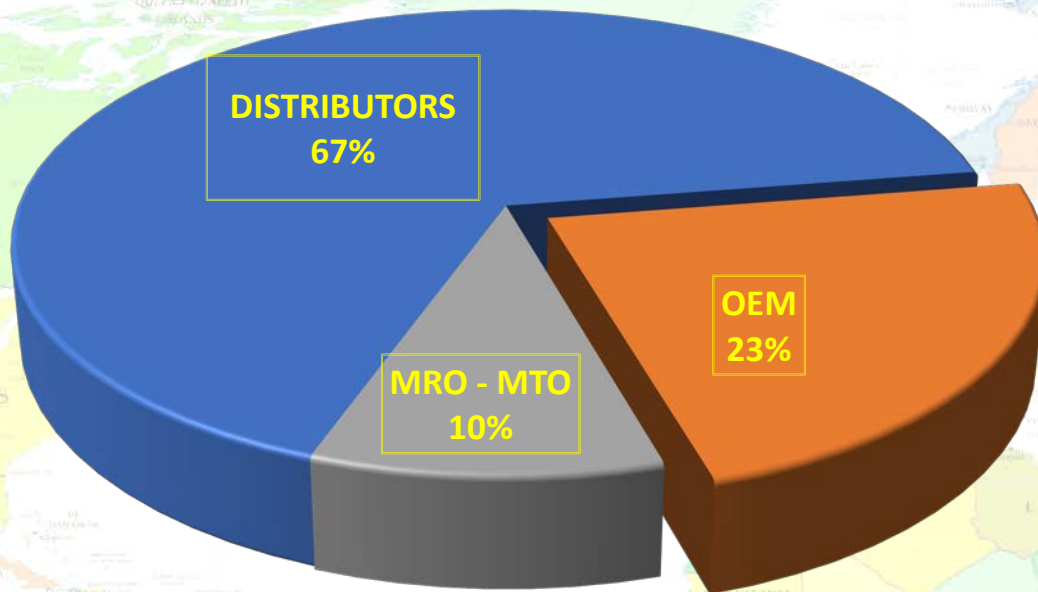


**SANITARY
WATER INDUSTRY**

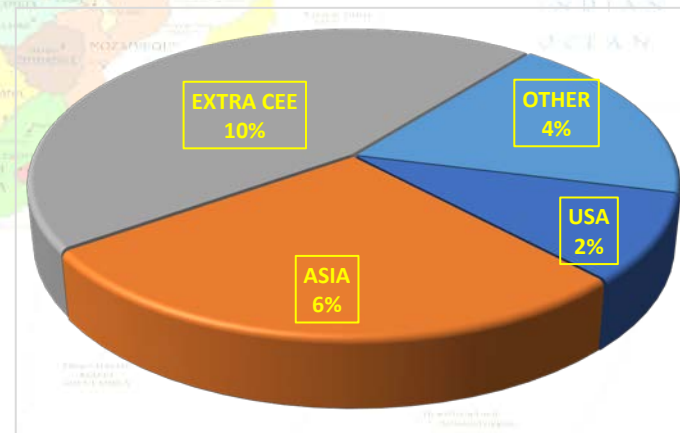
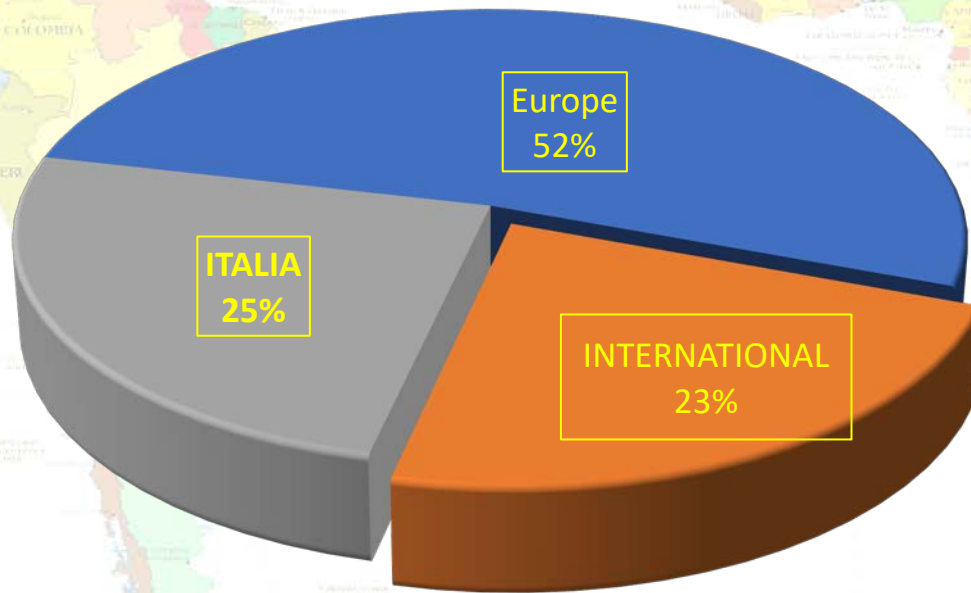


**PLANT
ENGINEERING**

applications



around the world



Special approvals on our compounds



POTABLE WATER

- **ACS:** Attestation de Conformité Sanitaire (ACS – CLP)
- **KIWA**
- **KTW :** Kunststoffe und Trinkwasser
- **NSF:** National Sanitation Foundation
- **WRC:** Water Research Council
- **ONORM :** Austrian Standard Institute

NBR					
BS6920 WRAS	CLP ACS compliance	<i>In according to migration test of: DM174</i>	UBA	UL778	W270 TZW
NBR70 M066 NBR70 M332	NBR70 M066	NBR70 M066 NBR70 M789 NBR70 M174	NBR 70 M066	NBR70 M332	NBR70 M066

FKM
BS6920 WRAS
FKM70 M403 green

EPDM Px									
BS6920 WRAS	CLP ACS compliance	EN681 DVGW	KIWA BRL-K17504	NSF61	ÖNORM B 5014-1:2016	UBA	UL778	W270 TZW	W534 DVGW
EPDM70 M534	EPDM70 M534	EPDM70 M534	EPDM70 M534	EPDM70 M534	EPDM70 M534	EPDM70 M534	EPDM70 M534	EPDM70 M534	EPDM70 M534



Special approvals on our compounds



GAS

- **DVGW:** Deutsche Vereinigung Gas und Wasserfaches

FOOD/PHARMA

- **USP:** United States Pharmacopeia
- **FDA:** Food and Drug Administration
- **BfR :** Bundesinstitut für Risikobewertung
- **ADI:** Animal derived Ingredient free
- **3A:** 3° Sanitary Standard

NBR	
EN549 DVGW	EN682
NBR50 M472 NBR60 M061 NBR70 M715	NBR70 M377

VMQ
EN549 DVGW
VMQ80 M215

EPDM Px				
3a SANITARY	FDA Parts 170 to 199 Item 177- 2600	USP 32 <87>	USP VI <88>	Meets the requirements of CE1935/2004
EPDM70 M534	EPDM70 M534 EPDM80 M097	EPDM70 M534	EPDM70 M534	EPDM70 M534

EPDM
FDA Parts 170 to 199 Item 177-2600
EPDM70 M572

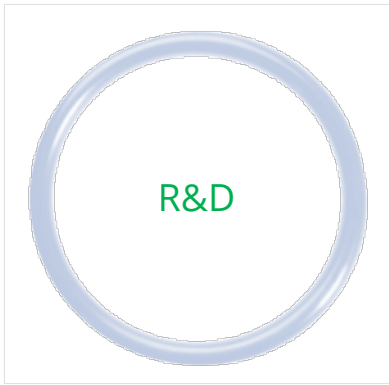
VMQ			
EN71-3	FDA Parts 170 to 199 Item 177-2600	Meets the requirements of CE1935/2004	GS- Mark
VMQ70 Red A1:2014 migration test	VMQ fro 40 sh to 80 sh various colors	All the VMQ	All the VMQ CAT.1

NBR	
FDA Parts 170 to 199 Item 177-2600	Meets the requirements of CE1935/2004
NBR55 M060 NBR70 M066 NBR70 M332 NBR80 M042 NBR90 M069	NBR70 M066

FKM	
FDA Parts 170 to 199 Item 177-2600	GS- Mark
FKM70 M420 FKM70 M403 green	FKM (not black) CAT.3 NOT TOYS

HNBR
FDA Parts 170 to 199 Item 177-2600
HNBR70 M461 HNBR 70 M067 green





TR test



friction force
coefficient instrument



TGA
thermogravimetric



TMA
thermomechanical



raw material



tool shop



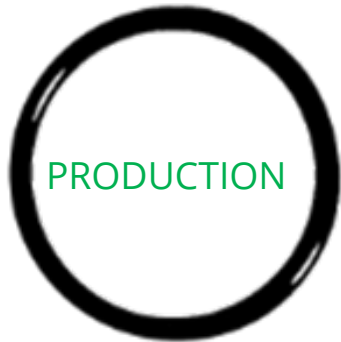
tool range



mold chroming



compounds storage
conditioned warehouse



molding



cryogenic deburring
De flashing / finishing



tumbling



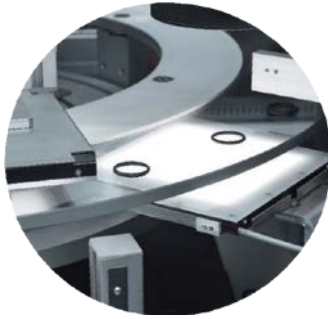
Washing & surface



post curing



QUALITY CONTROL



100% optical dimensional inspection

100% visual inspection



specimen molds for compression-set test



IR spectrophotometer



dynamometer



rheometer and viscometer



aging test



PACKAGED & STORAGE



Packaging & labelling



special envelopes



cardboard packaging



special finishes and packaging



automated warehouse

Surface treatments



Semi-permanent
COLORED PTFE
TREATMENT



MoS2 GREASE
TREATED



GRAPHITE
TREATED



MATT
SURFACE



TRANSPARENT
PTFE
TREATMENT



TALC TREATED
SURFACES



SILICONIZED
SURFACE



DOT COLOR
MARKING



MICROTALC



Packagings

- UV resistant transparent bag
- Antistatic bag
- Transparent bag with air inside
- Zip bag
- Black bag

- Loose in a flat box or bag
- Piled on tubes
- Odette boxes
- Pizza box for planarity



Laboratory tests

Measured dimensions (tests and controls)	Type of instrument	Norm	Used instruction	Calibration instruction	Samples
Linear dimensions	comparator	ISO 3601	S350101	S350001	Joahnson block sets
Thickness	thickness tester	ISO 3601	S350101	S350001	Joahnson block sets
Inside diameter	cones	ISO 3601	S350101	S350004	Calliper
Dimensions of the drawing	OGP	ISO 3601 ISO 3302	S350101	S350009	Outside OGP
Diameter and width of cross section	meter of diameter and width (Migg-DOSS)	ISO 3601	S350101	S350008	Sample rings
Diameter and width of cross section	meter of diameter and width (KALIX-UTP)	ISO 3601	S350101	Outside UTP	Outside UTP
Rheometric curve	rhoemeter	-	S350101	Outside Alpha Tech.	Outside Alpha Tech.
Variius weight	balance	-	S350101	S350006	Sample masses
Density	densimeter	ISO 2781 ASTM D 297	S350101	S350006	Outside For-lab
Temperature	thermometer	-	S350101	S350007	Digit. thermometer
Hardness and microhardness	durometer and microdurometer	ISO 7619-1 / ASTM D2240 ISO 48 M / ASTM D1415	S350101 S330001	S350103	Rubber Test Block
Compression Set	compression set equipment	ISO 815 -1 ASTM D 395 B	S310005	-	Joahnson block sets
Aging tests	oil and ovens of laboratory	ISO 1817 / ISO 188 ASTM D 471-573	S310006	S350007	Digit. thermometer

Measured dimensions (tests and controls)	Type of instrument	Norm	Used instruction	Calibration instruction	Samples
Chromium thickness of tools	Thickness tester of chromium	-	S350101	S350005	Plates
Thicness and dimensions of a drawing for tools	Calliper	-	S350101	S350001	Joahnson block sets
Linear dimensions	micrometer (no MSA)	-	-	S350003	Joahnson block sets
Tool cavity	alesameter (no MSA)	-	-	A	-
Diameter and other linear dimensions	Vision test machine (no MSA)	-	-	A	-
Linear dimensions	presetting colon (no MSA)	-	-	A	Joahnson block sets
Compound impurity	filtration system (no MSA)	-	-	A	-
Linear Dimensions	Thickness tester (no MSA)	-	-	S350002	Joahnson block sets
TGA analysis	Thermogravimeter (no MSA)	-	-	Outside	Outside
TMA analysis	Thermomechanical (no MSA)	-	-	Outside	Outside
IR analysis	spettrofotometer (no MSA)	-	-	Outside	Outside
Tensil Strech(CR)	dynamometer (no MSA)	ISO 37 ASTM D 412	S350101 S310004	Outside	Outside
Elongation at break (AR)	dynamometer (no MSA)	ISO 37 ASTM D 412	S350101 S310004	Outside	Outside
Laceration	dynamometer (no MSA)	ISO 34-1 ASTM D 624	S350101 S310004	Outside	Outside
Viscosity Mooney	Viscosimeter MV2000	ISO 289-1 ASTM 1646	S350101	Outside	Outside

Measured dimensions (tests and controls)	Type of instrument	Norm	Used instruction	Calibration instruction	Samples
Scorch	Viscosimeter MV2000	ISO 289-1 ASTM 1646	S350101	Outside	Outside
Brittleness Point	Brittleness + TR Tester	ISO 812	S350101	Outside	Outside
TR Test	Brittleness + TR Tester	ISO 2921	S350101	Outside	Outside



Our Quality lab. Issues for each Batch the

FINAL INSPECTION CERTIFICATE – UNI EN 10204 :2005 3.1



Certificato di Collaudo

final inspection certificate

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
= ISO 9001 =

UNI EN 10204:2005 3.1

BATCH NUMBER	R01602	Compound	FKM 75 NERO	Date of Production	XX.XX.X	
'OR' / PARTICULAR SIZE (mm)		inside diameter	89,34	cross section	1,78	
ORDER N°		Article Code		other size		
	nominal value	u.m.	tolerance (+/-)	N° of checked pieces	tested value (low med max)	OK (Y/N)
	inside diameter	89,34 (mm)	0,09 / 0,09	30	88,90 89,00 89,00	Y
	cross section	1,78 (mm)	0,08 / 0,08	30	1,76 1,77 1,78	Y
	other size		/ /			
	hardness	shore 'A'	/ /			
	hardness	75,0 micro IRHD	5,0 / 5,0	15	73,0 74,0 76,0	Y
	measure equipment	Q029	Q219	Q218	Q169	
	AUTOMOTIVE PRODUCT - PPM <5 -					

collaudo visivo secondo UNI ISO 2859-1:2007 (visual inspection)

livello di collaudo	inspection level	II
piano di campionamento	sampling plane	semplice
collaudo	inspection	ordinario
LOA	AOL	1

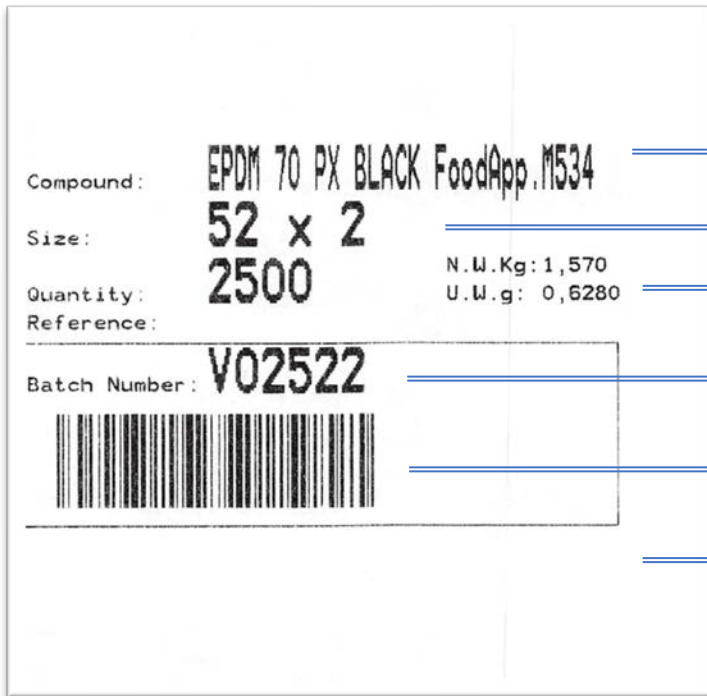
ISO 3601-1: 2008 Class B
ISO 3601-3: 2005

Certifichiamo che il sopra esposto materiale è risultato conforme alle prescrizioni delle norme ISO 3601 sopra indicate e delle procedure del nostro Sistema Qualità.

We hereby certify the compliance of the above good with the ISO 3601 over indicated and our Quality System requirements.

data (date)	emesso da (issued by)	Si autorizza la spedizione (The shipment is authorised)	Resp. GQ (GQ Mgr.)
23/06/2015	massimo		Massimo Bassetti
registration file (file number)	Cliente (Customer)	spedizione del (shipment date)	fattura N° (invoice N°)
	xxxx Customer name	23/06/2015	

Our Bag Label (complete traceability):



COMPOUND DESCRIPTION

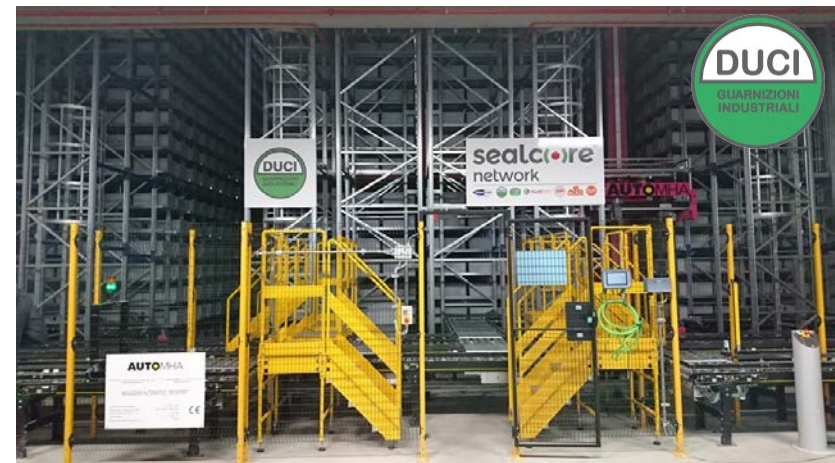
DIMENSION

QUANTITY / UNIT WEIGHT / TOTAL WEIGHT

BATCH NUMBER – for complete traceability

BARCODE identification

FREE SPACE FOR CUSTOMER DATA
Under request



Quality as continuous improvement....

„Today better than yesterday,

Tomorrow better than today...“

For more info about us and our products, please, visit our website:

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