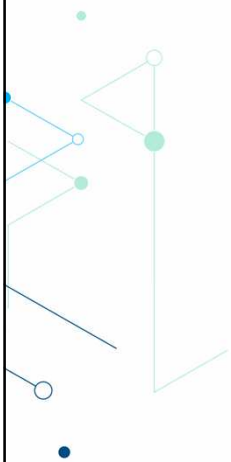




DOMO AT A GLANCE



Leading **ENGINEERING MATERIALS** producer



Technology leading **Caprolactam (CPL) PLAYER** worldwide



\$ 1b sales revenue in **2018**



Family-owned group



Fully integrated **POLYAMIDE 6 PLAYER**, from benzene into nylon film



1100 Employees



6 OPERATION sites and **8 SERVICE** centers



NUMBER 1 Biaxially Oriented Polyamide (**BOPA**) player in Europe

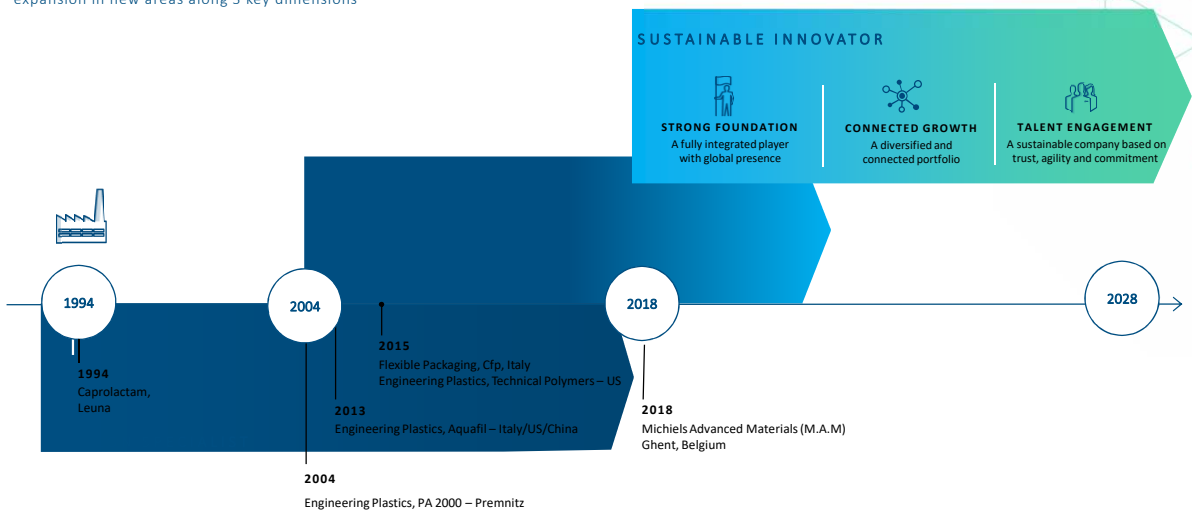


5 Business areas

DOMO CHEMICALS. TRUST, AGILITY, COMMITMENT.

DOMO CHEMICALS' STORY OF ACCELERATION

Create value with strong connected businesses and expansion in new areas along 3 key dimensions



DOMO CHEMICALS. TRUST, AGILITY, COMMITMENT.

OUR VALUES
A strong culture of trust, agility and commitment

ENGAGED EMPLOYEES
are DOMO Chemicals' primary source of value creation.

DOMO CHEMICALS. TRUST. AGILITY. COMMITMENT. **domo**

DOMO
A STRONGLY INTEGRATED NYLON 6 PLAYER.

RAFFINERY
INTERMEDIATES
NYLON & INTERMEDIATES
CAPROLACTAM
FERTILIZERS
POLYMERS
ENGINEERING PLASTICS
NYLON FILM
SPECIALTY POLYMERS

DIVERSIFIED PORTFOLIO
GLOBAL MARKETS
AUTOMOTIVE
INDUSTRIAL & CONSUMER GOODS
ELECTRIC & ELECTRONIC
PHARMA, MEDICAL & FOOD

TECHNOLOGY | EFFICIENCY | QUALITY | SUSTAINABILITY

DOMO CHEMICALS. TRUST. AGILITY. COMMITMENT. **domo**



DOMO
A STRONGLY INTEGRATED
NYLON 6 PLAYER.

DOMO CHEMICALS. TRUST. AGILITY. COMMITMENT. 

PARTNERSHIPS AND TECHNOLOGY ACQUISITION

As key elements for innovation and growth

A reliable and competitive infrastructure and service provider on the chemical site of Leuna

- Energy utilities
- Environmental services
- Logistic handling
- General infrastructure

DOMO
Chemicals'
share:
24.5%

COMPETITIVE INFRASTRUCTURE & SERVICE

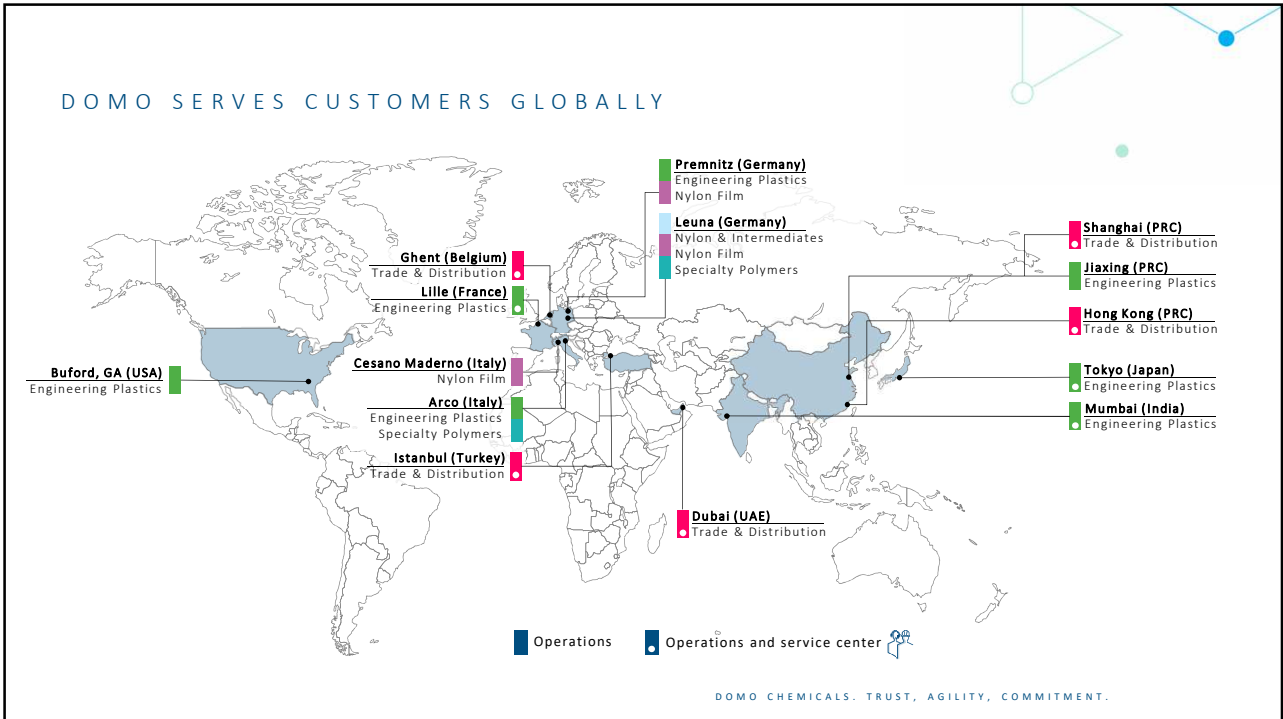
MAM, an **innovative** high-tech film coating technology company

- End customer comfort
- Heating/cooling efficiency
- In **architectural** window films, **automotive** window films, **photovoltaic** panels

DOMO
Chemicals'
share:
40%

INNOVATIVE TECHNOLOGY

DOMO CHEMICALS. TRUST. AGILITY. COMMITMENT.



DOMO CHEMICALS

a global player with a well diversified and connected portfolio in key market segments

NYLON & INTERMEDIATES

Nylon 6 Virgin Resins & Intermediates

ENGINEERING PLASTICS

Technical compounds

NYLON FILMS

Nylon 6 flexible packaging

SPECIALTY POLYMERS


High-end polyamides

TRADING AND DISTRIBUTION

Petrochemicals' distribution

HIGH QUALITY ENGINEERED SOLUTIONS & SERVICES

for a broad base of applications



**ENGINEERING
PLASTICS**

PRODUCTS


- Extensive standard and customized PA6 and PA66 compound portfolio
- Enhanced performance compounds
- Leader in sustainable polyamides

SOLUTIONS FOR


- Lightweight
- E-mobility
- CO₂ reduction
- Mass customization
- Miniaturization
- Eco-design
- PA66 replacement

DOMO ENGINEERING PLASTICS AT A GLANCE


Employees: 200
Capacities: 90,000 tons products
Turnover: 180k €
Production units :
 Germany (Premnitz),
 Italy (Arco), USA (Buford),
 China (Jiaying), India (Mumbai)



AUTOMOTIVE



**INDUSTRIAL &
CONSUMER GOODS**



**ELECTRIC &
ELECTRONIC**

DOMO CHEMICALS. TRUST. AGILITY. COMMITMENT.

STRONG COMPETENCES

Committed to the future of Polyamide

STRONG INTEGRATED POSITION

FLEXIBILITY BY COMPLEMENTARY COMPOUNDING FACILITIES

Solution
provider
for our
customers

STRONG R&D & CUSTOMIZATION CAPABILITIES

GLOBAL SUPPLY AND SERVICE

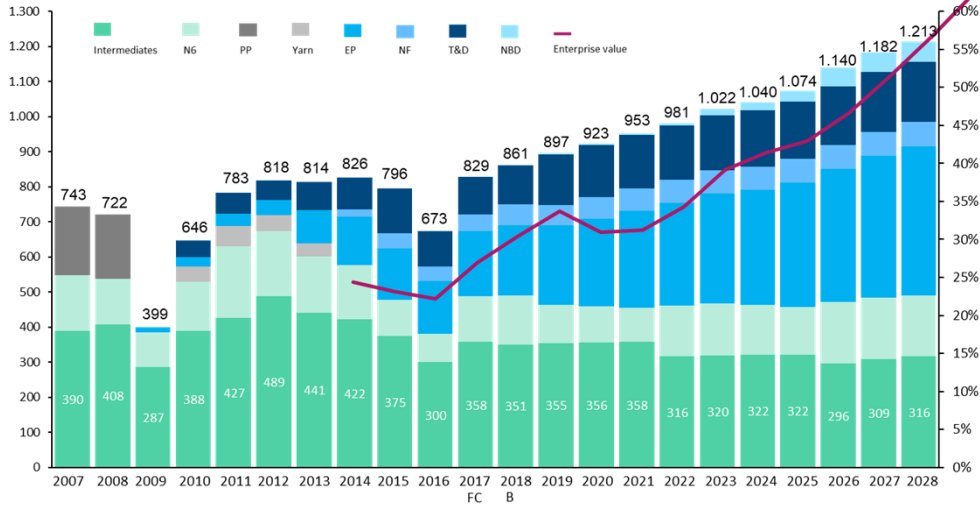




DOMO CHEMICALS. TRUST. AGILITY. COMMITMENT. 

OUR PATH TO SUSTAINABLE GROWTH

Secure profit levels which balance long-term profitable growth healthy with financial robustness



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INNOVATION

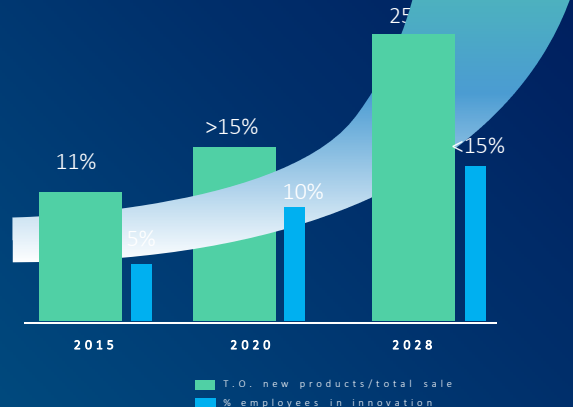
is the only way to ensure a successful future for our customers and our company

INNOVATION GROWTH FIELDS

- SUSTAINABLE PRODUCTS
- NEW APPLICATIONS & DEVELOPMENTS
- DIGITALIZATION
- PERFORMANCE

SALES CONTRIBUTION

50% profitability growth from innovation



DOMO CHEMICALS. TRUST. AGILITY. COMMITMENT.



HIGHLY DIVERSIFIED FOR SEVERAL MARKETS

ECONAMID®

FL

Standard sustainable polyamide compounds

PLUS

Sustainable polyamide for **customized** solutions

ORO

Sustainable polyamide solutions for **enhanced performance**

FR

Sustainable **flame retardant** polyamide

AIR

Sustainable polyamide compounds for **lightweight**

WHATEVER YOUR FIELD,
GREEN IT...



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DOMO CHEMICALS. TRUST, AGILITY, COMMITMENT.



RECOGNIZED MARKET LEADER IN SUSTAINABLE POLYAMIDE



WHATEVER YOUR FIELD,
GREEN IT...



EXTENSIVE PRODUCT LINE

A **well-developed product mix** (regular unfilled grades, impact-modified, heat-stabilized and/or UV-stabilized grades, flame retardant and carbon filled.)



QUALITY CONSISTENCY

Top **lot-to-lot consistency** in physical and chemical properties



PROVEN BENEFIT

All data are **EPD certified**



RELIABILITY

Reliable, **long-term supply** agreements for high feedstock



SCALABILITY

The company has been focusing on **ramping-up production and compounding capacities** at its facilities.

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ECONAMID: CURRENT MARKET DEMANDS OF SUSTAINABILITY

Volvo aims for
25%
recycled plastics
in cars from
2025

Renault
36%
of the total mass of a
new vehicle in Europe
comes from recycled
materials

PSA
has committed to
30%
of recycled or
bio-sourced materials
in the production
of its vehicles

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ECONAMID: ENVIRONMENTAL BENEFIT VS PRIME POLYAMIDE

WHATEVER YOUR FIELD,
GREEN IT...



47% less
WATER
consumption



80% less
CO2
emitted



60% less
NON-RENEWABLE
energy used

CERTIFIED BY

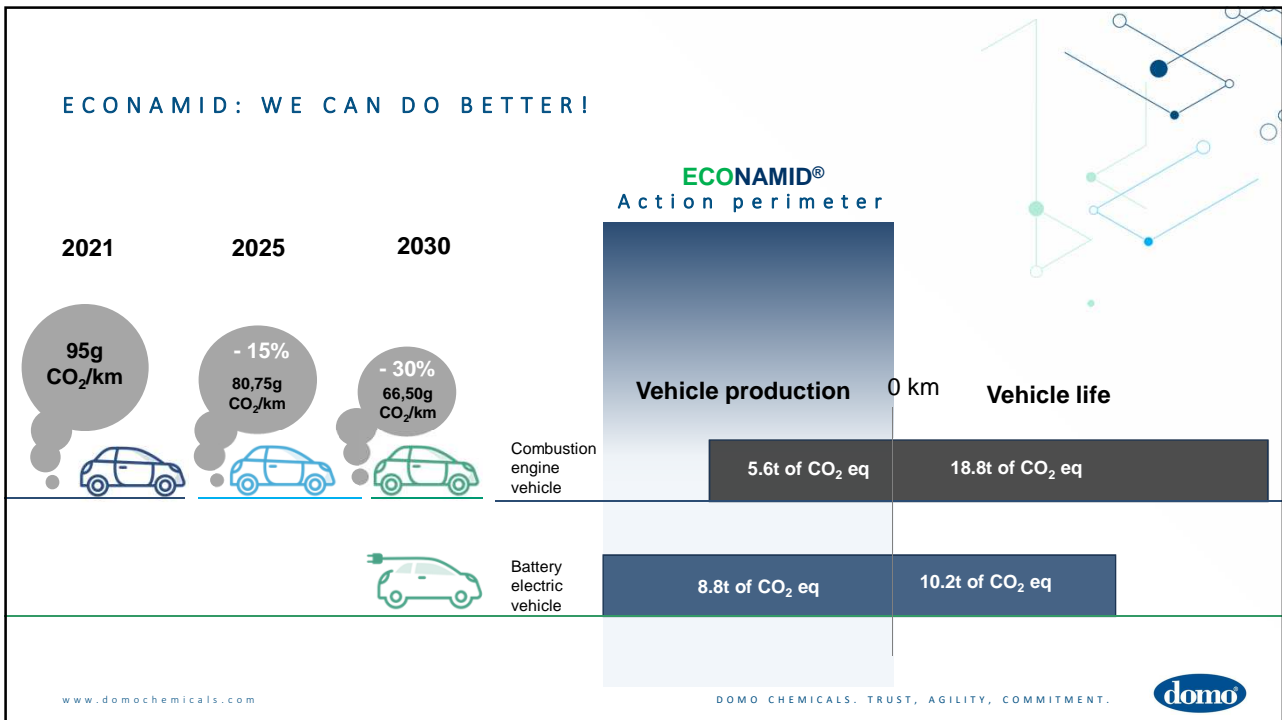


THE INTERNATIONAL EPD® SYSTEM

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DOMO CHEMICALS. TRUST, AGILITY, COMMITMENT.





ECONAMID AIR

The solution for application requiring:

- HIGH STIFFNESS combined with LOW DENSITY
- ELECTRICAL CONDUCTIVITY
- ELECTRICAL SURFACE & VOLUME RESISTIVITY
- Low CARBON FOOTPRINT
- Improved TRIBOLOGICAL properties

**100%
recycled**

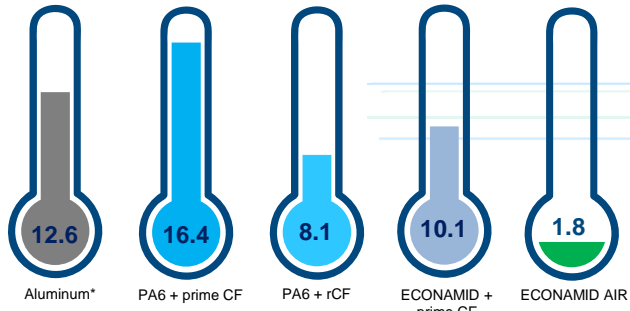
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DOMO CHEMICALS. TRUST, AGILITY, COMMITMENT.

ECONAMID: COMBINING STRENGTH AND SUSTAINABILITY

Reducing carbon footprint vs prime polyamide by 90%

GWP100 [kg CO₂ eq]



*Source: European Aluminum Association (EAA 2005) and Ecoinvent v.2.2 (2009)
 **Source: Plastics Europe eco-profile 2005.

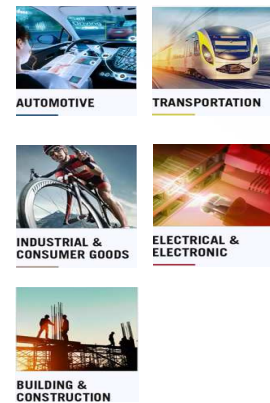
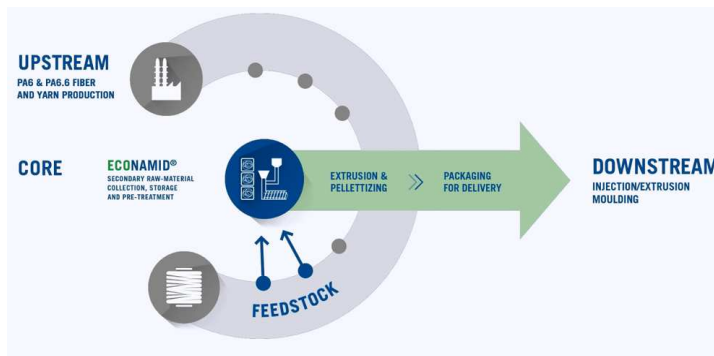
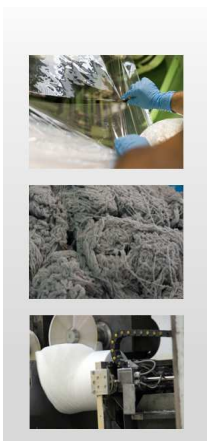
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ECONAMID: HISTORICAL KNOW HOW AND EXPERTISE



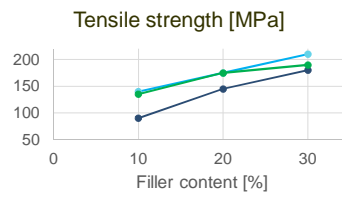
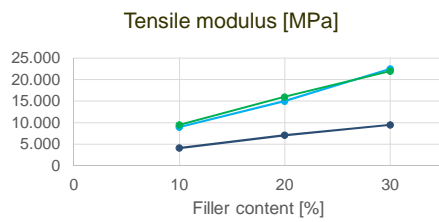
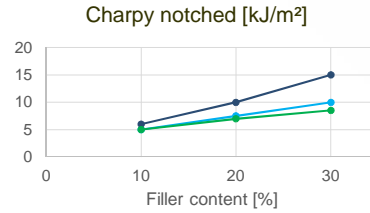
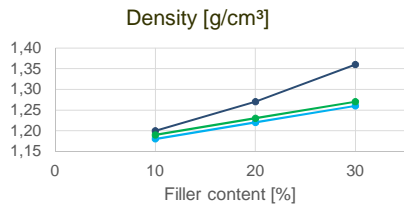
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DOMO CHEMICALS. TRUST, AGILITY, COMMITMENT.



ECONAMID AIR

Comparable to prime carbon fiber reinforced compounds



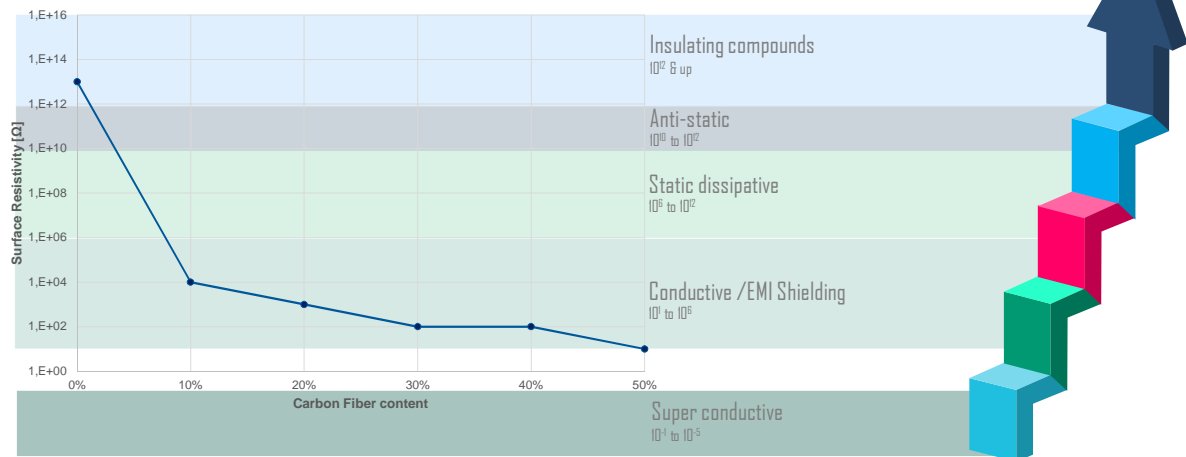
DOMAMID 6G
ECONAMID AIR
PA6 Prime CF

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DOMO CHEMICALS. TRUST, AGILITY, COMMITMENT.



ECONAMID AIR: SURFACE RESISTIVITY



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ECONAMID AIR: SUCCESS STORIES

ECONAMID[®] AIR 6RC63010H2 BK

END MARKET: AUTOMOTIVE

APPLICATION: FUEL FILTER HOUSING

- ✓ The part has a reduced electrical surface resistivity.

TYPICAL PROPERTIES	STANDARD	UNIT	VALUE
Volume resistivity	IEC 62631-3-1	[Ω·cm]	1E+05
Surface resistivity	IEC 62631-3-2	[Ω]	1E+04

- ✓ ECONAMID AIR protects against electrical static load.
- ✓ Hybrid filled material creates high stiffness in combination with commercial advantage on cost (**MPa 13500**)

WHATEVER YOUR FIELD,
GREEN IT...

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DOMO CHEMICALS. TRUST, AGILITY, COMMITMENT.



ECONAMID AIR: SUCCESS STORIES

ECONAMID[®] AIR 66/6 RC10H2 BK

END MARKET: AUTOMOTIVE

APPLICATION: BUSHING ELEMENT

- ✓ Low creep
- ✓ Higher HDT Values vs. PA6

TYPICAL PROPERTIES	CONDITION	STANDARD	UNIT	Econamid AIR 66/6 RC10H2	?
Heat Deflection Temperature (HDT-B)	0,45 MPa	ISO 75	[°C]	245	
Heat Deflection Temperature (HDT-A)	1,80 MPa	ISO 75	[°C]	225	

- ✓ Temperature requirement up to 190°C/20 min
- ✓ Maintaining voltage field for KTL due to reduced surface resistivity IEC 62631-3-1 (Ω *cm 1E+04)

WHATEVER YOUR FIELD,
GREEN IT...

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ECONAMID AIR: SUCCESS STORIES

ECONAMID[®] AIR 66/6 RC10H2 BK

END MARKET: AUTOMOTIVE

APPLICATION: ELECTRICAL COMPONENT HOUSING

- ✓ Electrical conductivity

TYPICAL PROPERTIES	STANDARD	UNIT	VALUE
Volume resistivity	IEC 62631-3-1	[Ω·cm]	1E+05
Surface resistivity	IEC 62631-3-2	[Ω]	1E+04

- ✓ Low density (ISO 1183 [g/cm³] **1,19**)
- ✓ VW-TL1011 (class **V0**)

WHATEVER YOUR FIELD,
GREEN IT...



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ECONAMID AIR: SUCCESS STORIES

ECONAMID[®] AIR 6RC10H2 BK

END MARKET: ICG

APPLICATION: PAINTING GUN

- ✓ The part has a reduced electrical surface resistivity.

TYPICAL PROPERTIES	STANDARD	UNIT	VALUE
Volume resistivity	IEC 62631-3-1	[Ω·cm]	1E+05
Surface resistivity	IEC 62631-3-2	[Ω]	1E+04

- ✓ ECONAMID AIR protects against electrical static load.

WHATEVER YOUR FIELD,
GREEN IT...



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ECONAMID AIR

Product Range

PA6	PA66	PA66/6
ECONAMID AIR 6RC10H2 NC99/BK99	ECONAMID AIR 66RC10H2 NC99/BK99	ECONAMID AIR 66/6RC10H2 NC99/BK99
ECONAMID AIR 6RC20H2 NC99/BK99	ECONAMID AIR 66RC20H2 NC99/BK99	
ECONAMID AIR 6RC30H2 NC99/BK99	ECONAMID AIR 66RC30H2 NC99/BK99	
ECONAMID AIR 6RC40H2 NC99/BK99	ECONAMID AIR 66RC40H2 NC99/BK99	
ECONAMID AIR 6RC50H2 NC99/BK99	ECONAMID AIR 66RC50H2 NC99/BK99	
ECONAMID AIR 6RCG3010H2 NC99/BK99		

*BK99 for aesthetical applications – high surface finishing & deep black

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ECONAMID AIR: CONCLUSIONS

High mechanical performance compounds with low density.



Performance and sustainability go hand in hand thanks to high quality recycled carbon fibers.

Carbon fiber grants electric conductive properties.



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DOMO CHEMICALS. TRUST. AGILITY. COMMITMENT.



ECONAMID AIR: CONCLUSIONS

“ECONAMID solutions help engineers to design safer, feature-rich and aesthetically appealing applications, with the lowest environmental impact.”



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T H A N K Y O U

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