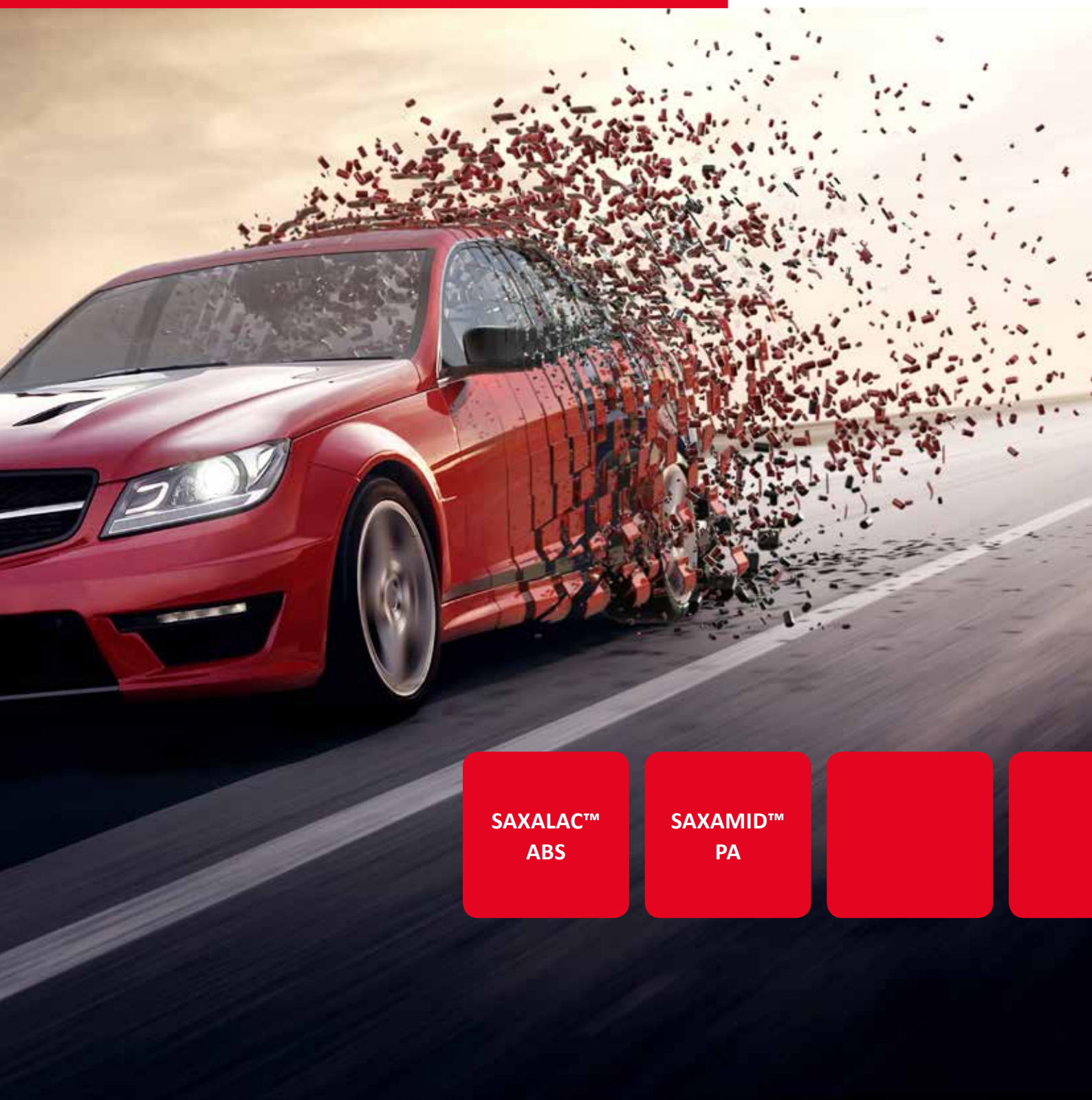




Innovative plastics for the automotive industry



SAXALAC™
ABS

SAXAMID™
PA



SAX® Polymers specializes in the production, processing and colouring of engineering plastics. The ISO 9001 certified company with production facilities in Austria and Switzerland is your partner for applications in the automotive industry. SAX® Polymers offers ABS and PA compounds under the brand names SAXALAC™ and SAXAMID™. Their product characteristic are individually tailored for interior and exterior as well as for applications under the hood. Our technical team supports you from the initial idea to the final product including part and mould design as well as processing and quality control.

ABS

SAXALAC™

Brilliant
surfaces

High
rigidity

Good
flowability

Impact
resistance

In the automotive industry, ABS plays a significant role for applications requiring high-quality aesthetics and pleasing haptics. The range of SAXALAC™ products provides solutions for various applications. These grades differ in technical properties like flowability, impact strength, rigidity, emission and surface quality. SAXALAC™ is available in a broad variety of colours, making it an attractive material for applications with required colour depth and glossy surface. The very good flowability of the SAXALAC™ electroplating grade allows the production of thin walled parts with short cycle times and high standards regarding product design.

Low
emission

Colours

| SAXALAC™ 808GF17 | SAXALAC™ 820PG | SAXALAC™ 801 | SAXALAC™ 802 | SAXALAC™ 820LE |
|--|---|---|---|--|
| Glass fibre reinforced | Electroplating | Heat resistant | High heat resistant | Low emission |
| 17% glass fibre ensure an increased tensile strength, rigidity and heat resistance of this ABS injection moulding grade. The outstanding feature of SAXALAC™ 808GF17 is its surface quality. Therefore, it is suitable for applications, which have to meet visual and technical requirements. | SAXALAC™ 820PG is an electroplatable grade with outstanding flow properties allowing to realise complex parts. Very good chrome adhesion and optimised processability are the outstanding characteristics of this ABS grade, which is intended to be used for aesthetic applications. | SAXALAC™ 801 is a heat resistant ABS grade with very good impact strength, high rigidity and low emission. Its very good paintability opens up many possibilities for interieur applications like air vents, covers or cinematic parts. | A high degree of rigidity and low emission values are not a contradiction, as shown by this high heat resistant ABS grade. Easy processability makes SAXALAC™ 802 the first choice for rear mirrors, rear lights and various interior applications. | SAXALAC™ 820LE is a low-emission standard ABS grade targeting the requirements of different OEMs for interior applications. Very good processability and excellent surface quality make this SAX® Polymers product an excellent alternative on the market. |
| 104 °C | 100 °C | 105 °C | 109 °C | 100 °C |
| 8 cm³/10min | 20 cm³/10min | 20 cm³/10min | 16 cm³/10min | 20 cm³/10min |
| 6300 N/mm² | 2300 N/mm² | 2400 N/mm² | 2650 N/mm² | 2300 N/mm² |
| 7 KJ/m² | 25 KJ/m² | no break | 7 KJ/m² | 25 KJ/m² |



PA

SAXAMID™

Outstanding
rigidity

High
impact

Chemical resistance

The SAXAMID™ portfolio includes polyamide 6 and polyamide 66. Besides excellent strength and toughness, these engineering plastics are characterised by chemical resistance to organic solvents and mineral lubricants. Due to its property profile, this product group can be modified like no other with various additives (e.g. glass fibre, carbon fibre, glass beads, mineral fillers, impact modifiers, flame retardants etc.) in order to meet the requirements of the automotive industry. SAXAMID™ grades can be utilized wherever high technical requirements have to be met. Hence, demanding applications for motors and gears, as well as for cooling and fuel systems can be realized. Furthermore, there are numerous possibilities for interior and exterior parts.

Product diversity

PA **SAXAMID™ (Choice of special grades)**

SAXAMID™ 126F2K4

High surface quality

The combination of glass fibres and beads facilitates the production of low warpage parts, which show high surface quality. The PA6 based grade SAXAMID™ 126F2K4 optimally suits for visible parts in the interior.

| |
|------------|
| 90 N/mm² |
| 6400 N/mm² |
| 165 °C |
| 4 kJ/m² |



SAXAMID™ 126F10

High rigidity

The high content of glass fibres causes excellent rigidity. Additionally, this PA6 based grade is UL94-HB and HB75 listed. SAXAMID™ 126F10 can be used for applications like levers for blinkers and windscreen wipers, and wherever a high tensile modulus is required.

| |
|-------------|
| 209 N/mm² |
| 15400 N/mm² |
| 214 °C |
| 14 kJ/m² |



SAXAMID™ 136Q32H

Impact modified

Besides the typical good media resistance, the heat stabilized PA6 grade SAXAMID™ 136Q32H shows a very high impact strength at low temperatures (Charpy notched impact strength of 55 kJ/m²). Possible applications for this material are snap connections and cable guide trays.

| |
|-------------------|
| 56 N/mm² |
| 2000 N/mm² |
| 54 °C |
| 55 kJ/m² (-30 °C) |



SAXAMID™ 226MW2K4UH

Scratch resistant

SAXAMID™ 226MW2K4UH combines mineral filler with glass beads and is additionally UV- and heat-stabilised. This PA66 stands out for dimensional stability and scratch resistance. Among others, housing parts or different filler necks for various media can be realized with this injection moulding grade.

| |
|------------|
| 82 N/mm² |
| 5400 N/mm² |
| 95 °C |
| 3 kJ/m² |



SAXAMID™ 226F5RY01

Flame retardant

The UL94-V0 PA66 grade SAXAMID™ 226F5RY01 is a reinforced injection moulding grade with 25% glass fibres, equipped with a halogen free flame retardant system. This material impresses with good processability and is ideally suitable for e-mobility applications like plug connections.

| |
|------------|
| 125 N/mm² |
| 9600 N/mm² |
| 242 °C |
| 8 kJ/m² |



Tensile strenght (ISO 527-1)
Tensile modulus (ISO 527-1)
HDT A (ISO 179/1eA)
Impact strength Charpy 23 °C (ISO 179/1eA)

Our scale is Europe

Our brands are local

Plastoplan
Kunststoffe

Austria

Plastoplan
Plastics

Poland

Cechia

Germany

GRÄSSLIN
Kunststoffe

Serbia

Hungary

Slovakia

Lenor
plastics
... more than plastics!

Switzerland

France

AECTRA
Plastiques

polymix ip
Innovative Plastics

Joint venture
for SABIC® ETPs
and Specialities

Romania

Bulgaria

AECTRA
Plastics

Our mission

WE IN
NUMBERS

11

Countries

60

Account managers

20

Technicians

> 5.600

Active
customers

14

Warehouses

3

Laboratories

Trust

Steady
growth

Competence


WE IN
WORDS

Reliability

Financial
solidity

Passion for
plastics

The HROMATKA GROUP is one of the leading distribution groups in the European plastics market. With our local brands and strong partners, the HROMATKA GROUP has an extensive portfolio with an international orientation and great technical expertise. Highly-qualified local experts are active in eleven countries and advise customers in order to provide solutions to their problems. The programme is completed by the group's own compounds, which are manufactured in two factories under the brand name SAX® Polymers.



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