

# New Solutions for the **Mobility Market** E-Mobility & Sustainable Solutions

**For availability and orders:**

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As the world becomes more conscious of its impact on the environment, e-mobility has emerged as a promising trend for the transportation industry. While electric vehicles have taken the spotlight in this area, the trend towards e-mobility extends beyond just cars, to include other modes of transportation such as motorbikes, buses, and even bicycles. The shift towards e-mobility also presents new challenges and opportunities for industries such as plastics, as materials that are lightweight, strong, and sustainable, are crucial to the development of these vehicles.

At Nexo Plastics, we recognize the importance of e-mobility and the role that the plastics industry plays in its development. That is why we are committed to providing high-quality technical solutions that help our customers tackle the challenges associated with e-mobility applications. Our team of experts has advanced knowledge in the field of e-mobility and is well-equipped to help you find the ideal material solution that meets your sustainability, regulatory, and performance goals.

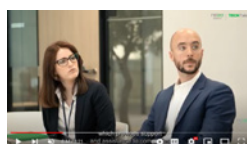
# From Exteriors to Under the Hood

Our thermoplastics solutions offer a range of benefits for e-mobility applications, from reducing vehicle weight to meeting EMI, flame retardant, and CTI requirements. Our materials can also be used as alternatives to metals in certain applications, making them a versatile choice for a wide range of e-mobility applications. We offer both commodity and specialty materials for exterior, interior, lighting, battery, under-the-hood, cable and wiring, jacketing, among others.

In the path to mobility development, **sustainability is a key factor to consider.** At Nexeo Plastics, we believe sustainability is an essential element of the **future of mobility**, and we are committed to providing sustainable solutions for our customers in the plastics industry. From exteriors to under the hood, our **materials for mobility applications include sustainable solutions from the best in class suppliers that offer a range of benefits, including reduced environmental impact and improved efficiency.**

Our **technical team** can assist you throughout the entire process, from material specification to production part approval process (PPAP) assistance, troubleshooting and review, and even assistance during manufacturing trials. With our advanced knowledge and expertise, we can **help you tackle any material challenges you may face in the development of your e-mobility applications.**

At Nexeo Plastics, we understand the importance of e-mobility and the challenges and opportunities it presents for industries such as plastics. With our advanced technical solutions and expert team, **we are committed to helping our customers find the ideal material solutions for their e-mobility applications.** Contact us today to learn more about how we can assist you with your e-mobility challenges.



Discover our **TECH TALKS** on e-mobility

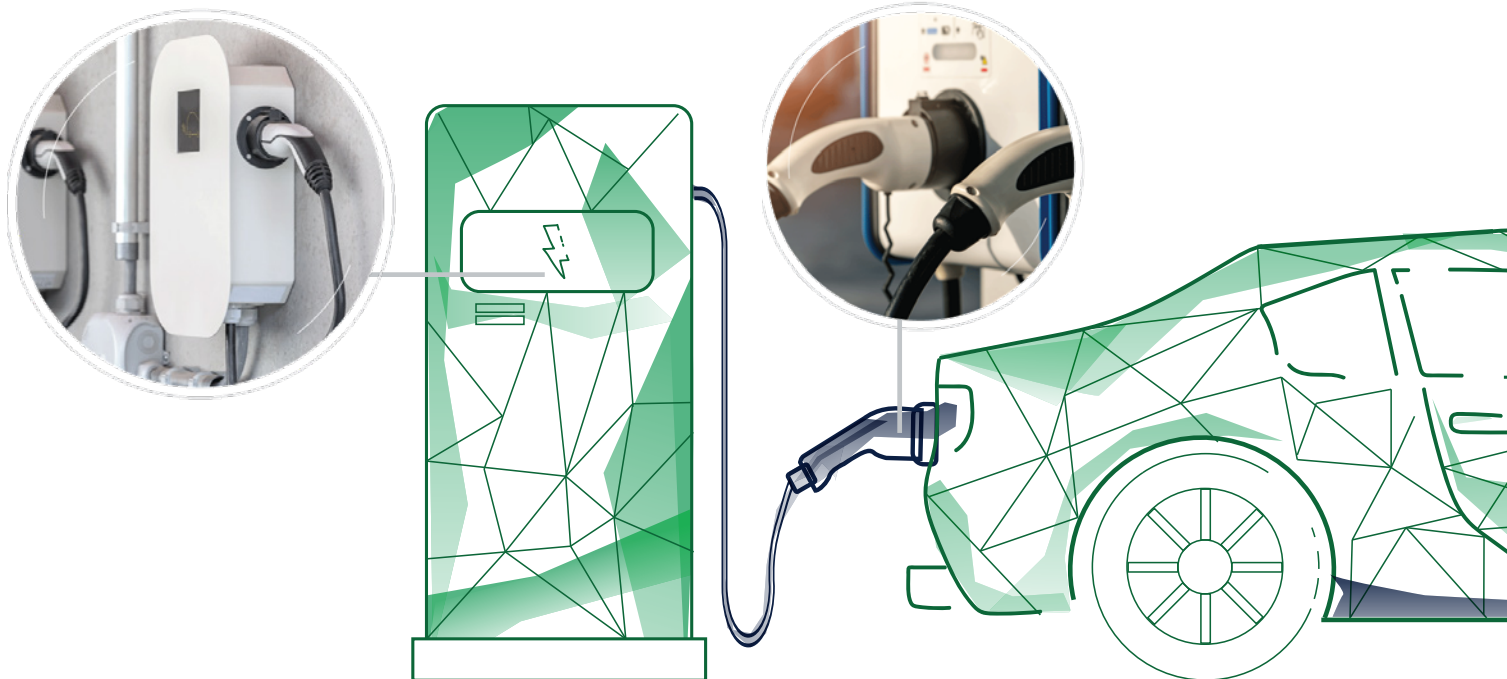


# E-MOBILITY

## EV CHARGER

|                             |   |
|-----------------------------|---|
| <b>Application</b>          | Charging Handle Grip  |
| <b>Technical properties</b> | High flow and/or surface appearance<br>UV resistant<br>Elasticity |
| <b>Material</b>             | <b>TPV</b>  |
| <b>Product</b>              | Sarlink 4765B-42  |
| <b>Supplier</b>             | <b>Teknor Apex</b>  |

|                             |   |
|-----------------------------|---|
| <b>Application</b>          | Wall Box & Public Wall box  |
| <b>Technical properties</b> | Halogen free flame retardant<br>Impact resistance, down to -30°C<br>Weatherability resistance<br>Design freedom<br>Aesthetics/colour<br>Chemical resistance |
| <b>Material</b>             | <b>PC/ABS</b>   |
| <b>Product</b>              | Emerge 7740   |
| <b>Supplier</b>             | <b>Trinseo</b>  |



|                             |  |
|-----------------------------|--|
| <b>Application</b>          | Wall Box   |
| <b>Technical properties</b> | Safety (Flame retardant)<br>Impact resistance<br>Weatherability<br>Design freedom<br>Aesthetics/colour |
| <b>Material</b>             | <b>PC</b>  |
| <b>Product</b>              | Emerge 8230-15   |
| <b>Supplier</b>             | <b>Trinseo</b>   |

|                             |  |
|-----------------------------|--|
| <b>Application</b>          | Charger Connector & Charging Adaptor   |
| <b>Technical properties</b> | Halogen free flame retardant<br>V0 grades - NC and BK<br>UL-listed<br>High CTI<br>Friction resistant |
| <b>Material</b>             | <b>PA66</b>  |
| <b>Product</b>              | PA66 NPG25   |
| <b>Supplier</b>             | <b>Kingfa</b>  |

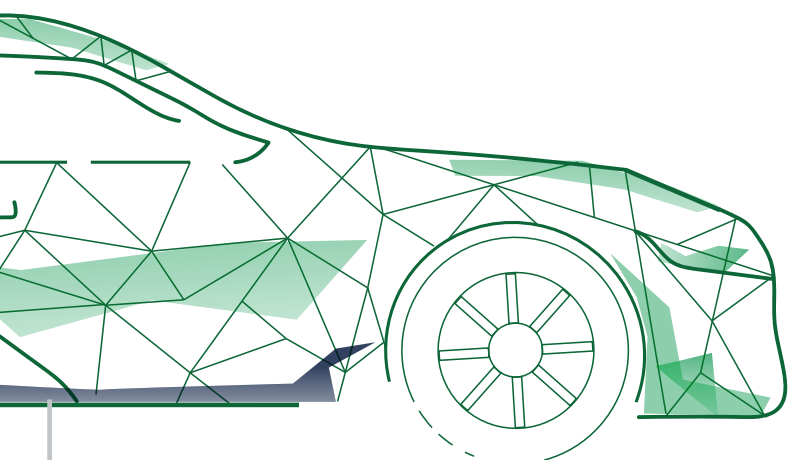
# SOME OF OUR RECOMMENDED PRODUCTS\*

## BATTERY

|                             |  |
|-----------------------------|--|
| <b>Application</b>          | Module housing   |
| <b>Technical properties</b> | 30% GF<br>V01.6mm<br>High Flow<br>Safety (Flame retardant)<br>Stabilized for contact with metals |
| <b>Material</b>             | <b>PP</b>  |
| <b>Product</b>              | FF311SF  |
| <b>Supplier</b>             | <b>Borealis</b>  |

|                             |  |
|-----------------------------|--|
| <b>Application</b>          | Electrical Storage   |
| <b>Technical properties</b> | Flame retardant, V0 grades<br>UL-listed, high RTI<br>Excellent dimension stability<br>Regrind up to 80% wt |
| <b>Material</b>             | <b>PBT</b>   |
| <b>Product</b>              | PBT RG301  |
| <b>Supplier</b>             | <b>Kingfa</b>  |

|                             |  |
|-----------------------------|--|
| <b>Application</b>          | Bus bar  |
| <b>Technical properties</b> | 40% GF<br>Best thermal insulative properties<br>CTI > 180°C<br>Best ATF resistance |
| <b>Material</b>             | <b>PPS</b>   |
| <b>Product</b>              | Xytron G4024T  |
| <b>Supplier</b>             | <b>Envalior</b>  |



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# SUSTAINABLE SOLUTIONS

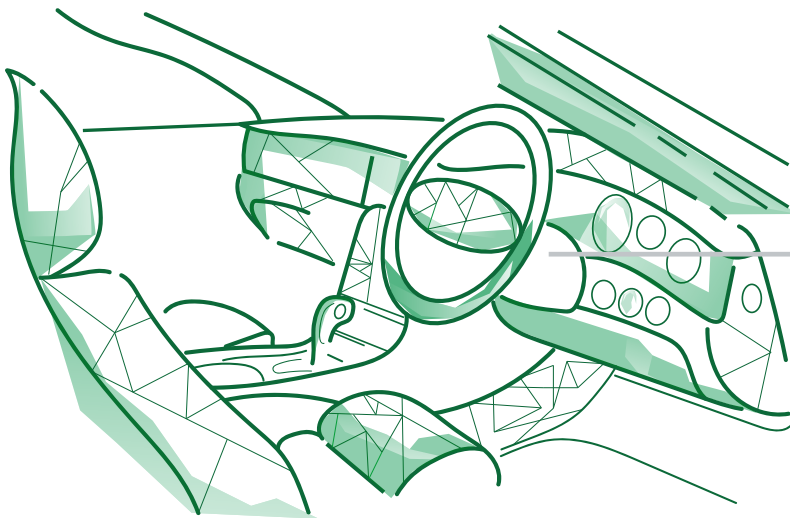
## INTERIOR

|                             |   |
|-----------------------------|---|
| <b>Application</b>          | Mid-consoles<br>Pillars<br>Door liners<br>Glove boxes   |
| <b>Technical properties</b> | ISCC mass balance certified<br>Lot to Lot consistency<br>Low VOC<br>Heat stability<br>High scratch and mar resistance |
| <b>Material</b>             | <b>ABS</b>  |
| <b>Product</b>              | Magnum Bio 3523   |
| <b>Supplier</b>             | <b>Trinseo</b>  |

|                             |                                     |
|-----------------------------|-------------------------------------|
| <b>Application</b>          | Front end module                    |
| <b>Technical properties</b> | 30% GF<br>68% PCR<br>High stiffness |
| <b>Material</b>             | <b>PP</b>                           |
| <b>Product</b>              | Borcycle M GD3600SY                 |
| <b>Supplier</b>             | <b>Borealis</b>                     |

|                             |   |
|-----------------------------|---|
| <b>Application</b>          | Door handle<br>Sunroof frame<br>Brackets<br>Thermostat housing<br>Fans & shrouds                                  |
| <b>Technical properties</b> | 30% GF<br>70% PCR<br>High strength & stab<br>Good dimensional stability<br>Good appearance<br>Enviromental factor |
| <b>Material</b>             | <b>PA 6</b>   |
| <b>Product</b>              | Recoone 22G30   |
| <b>Supplier</b>             | <b>Kingfa</b>   |

|                             |   |
|-----------------------------|---|
| <b>Application</b>          | Panel Carriers                                  |
| <b>Technical properties</b> | 20% GF<br>40% PCR<br>Low Emissions<br>High flow |
| <b>Material</b>             | <b>PP</b>                                       |
| <b>Product</b>              | Borcycle M GE2331SY                             |
| <b>Supplier</b>             | <b>Borealis</b>                                 |

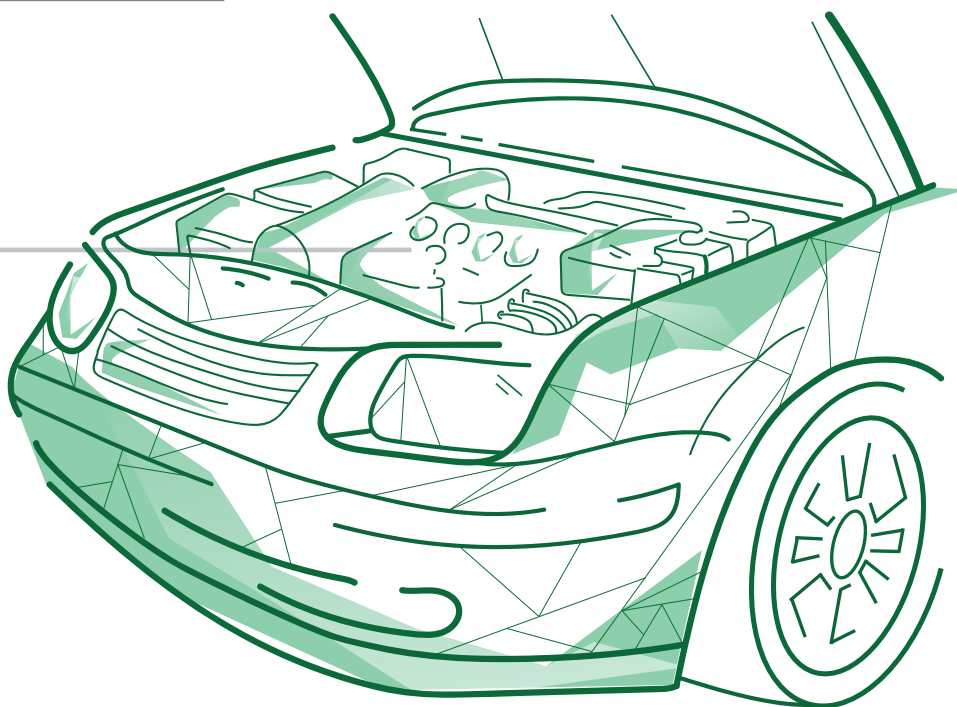


# SOME OF OUR RECOMMENDED PRODUCTS\*

## UNDER THE HOOD

|                             |  |
|-----------------------------|--|
| <b>Application</b>          | Gears, Actuator, Fuel system components<br>E-motor parts                                     |
| <b>Technical properties</b> | ISCC mass balance certified content<br>Heat stabilized<br>W&F Lubricated<br>Creep resistance |
| <b>Material</b>             | <b>PA 4.6</b>  |
| <b>Product</b>              | Stanyl TW341 B-MB  |
| <b>Supplier</b>             | <b>Envalior</b>  |

|                             |  |
|-----------------------------|--|
| <b>Application</b>          | UTB components   |
| <b>Technical properties</b> | PCR<br>High heat, oil, hydrolysis and stiffness resistance<br>Cost effective |
| <b>Material</b>             | <b>PA 6.6</b>  |
| <b>Product</b>              | Recoone 12G30  |
| <b>Supplier</b>             | <b>Kingfa</b>  |



## EXTERIOR

|                             |  |
|-----------------------------|--|
| <b>Application</b>          | Frontgril<br>Front & Rear<br>Bumper  |
| <b>Technical properties</b> | 30% PIR Content<br>Low density<br>Easy processability<br>Virgin equivalent<br>mechanical performance |
| <b>Material</b>             | <b>PC/ABS</b>  |
| <b>Product</b>              | Pulse GX50 ECO   |
| <b>Supplier</b>             | <b>Trinseo</b>   |



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# NEXEO PLASTICS Europe

Nexo Plastics prides itself on providing its Customers with:

- Superior customer service (ISO certified)
- Broad product portfolio from world-class manufacturers
- Competitive pricing
- Geographic coverage
- Strong / long-term relationships
- Small / medium / large quantities
- Technical expertise in end applications
- Flexibility to meet changing demand
- Efficient management & available inventory

- ◆ Warehouses
- Sales office



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