

ECONAMID® ORO

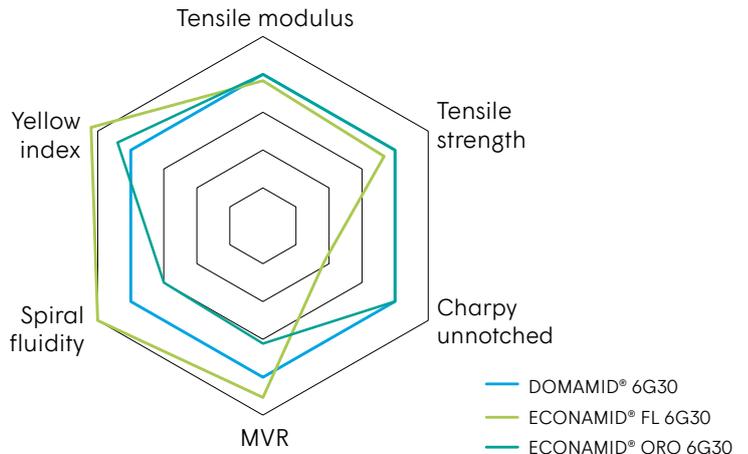
ECONAMID® ORO is a line of particularly high-performing polyamide 6 compounds from our sustainable ECONAMID® range.

MATERIAL PROPERTIES

- Based on up to 100% film feedstock
- Glass fiber reinforced PA6 compounds
- Excellent mechanical properties
- REACH- and RoHS-compliant
- High quality consistency
- Also available in natural color
- Titanium free



ECONAMID® ORO opens a new chapter in the field of industrial PA6 grade applications. Compared to one of our standard recycled PA6 grades, a clear increase in mechanical performance can be observed. Tensile strength, tensile modulus and Charpy unnotched impact strength all match the performance of one of our virgin grades.



| Material | DOMAMID® 6G30 | ECONAMID® FL 6G30 | ECONAMID® ORO 6G30 |
|-------------------|---------------------------|---------------------------|---------------------------|
| Recycled content | 0% | 100% | 100% |
| Tensile modulus | 9500 MPa | 9100 MPa | 9500 MPa |
| Tensile strength | 180 MPa | 165 MPa | 185 MPa |
| Charpy unnotched | 15 kJ/m ² | 7 kJ/m ² | 15 kJ/m ² |
| MVR (275 °C-5 kg) | 45 cm ³ /10min | 51 cm ³ /10min | 35 cm ³ /10min |
| Spiral fluidity | 20 cm | 25 cm | 15 cm |
| Yellow index | 12 | 20 | 15 |



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IMPROVED CHOICE OF COLORS

A big step ahead has also been made in terms of color choice. ECONAMID® ORO will be available in its natural color, which has a nice golden tinge, as well as in highly attractive pre-colored grades. Its film-based origin gives the compound a higher viscosity, which makes it particularly suited for high-thickness applications.

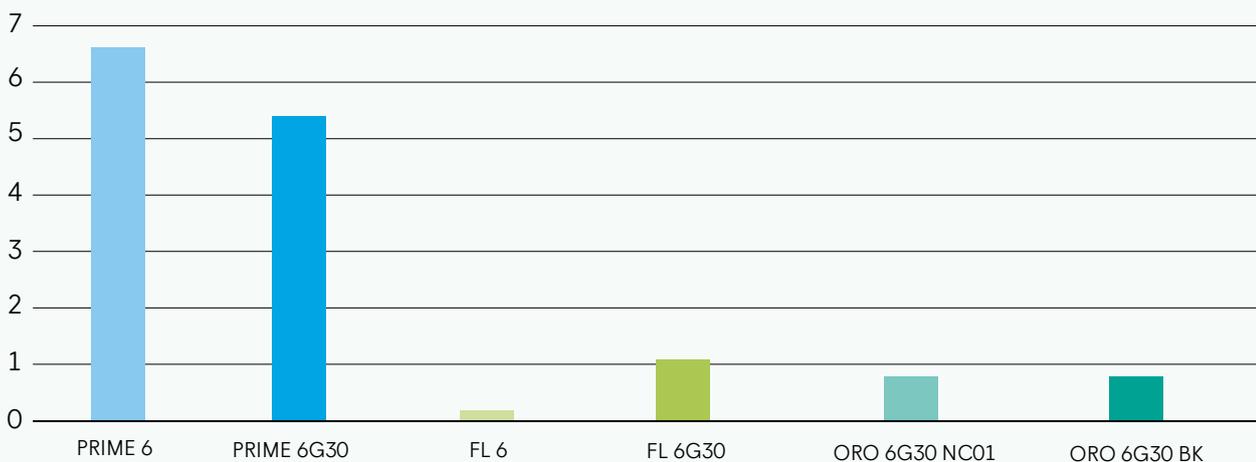
GOLD-LEVEL "GREEN" PERFORMANCE WITHOUT LOSS OF QUALITY

In our ECONAMID® range, we offer a complete assortment of PA6 and 66 compounds that are based on high-quality pre-consumer feedstock and meet the highest industry standards. Energy-efficiently produced with renewable power, and often developed in close collaboration with our customers, they offer top-quality "green" polyamides for applications in automotive, E&E, building & construction, and sports & leisure.

Compared to some of our fiber-based ECONAMID® standard grades, 30% glass fiber reinforced grades from our film-based ORO line can have an even smaller CO₂ footprint. This means less than 1 kg of CO₂ equivalent is released for each kg produced and delivered to our customers – a reduction of 80% compared to virgin grades!

EXCELLENT GLOBAL WARMING PROFILE OF OUR ORO GRADES

compared to virgin grades and green benchmarks



✓ Data refers to a preliminary internal study meeting ISO requirements

✓ Environmental impacts (GWP, in kg CO₂e) are inferred from specific composition and electricity use for processing raw materials into final pellets

✓ Results are shown for the considered indicator and, due to the preliminary nature of the study, should be seen as estimations; with FL 6 and FL 6G30 (EPD certified), a benchmark is included

✓ The LCA software used was SimaPro (v.9.0), using Ecoinvent (v.3.5) as database