



GP COMPOUND P23

Stiffness / impact all-rounder – general-purpose injection & thick-wall extrusion

Propertys

Typical values – CoA issued per lot.

PROPERTY	METHOD	VALUE
Tensile strength at break	ISO 527	13,2 MPa
Tensile modulus	ISO 527	521 MPa
Elongation at break	ISO 527	24,5 %
Flexural modulus	ISO 178	360 MPa
Charpy impact (notched, 23 °C)	ISO 179	10,8 kJ/m ²
Melt flow index (190 °C / 2.16 kg)	ISO 1133	2,4 ± 0,5 g/10 min
Density	ISO 1183	0,99 g/cm ³
Ash content	ISO 3451	< 13 %
Moisture (as delivered)	In-house	< 0,15 %

Composition & Certification

- Pre-formulated compound: recycled PolyAl matrix (post-consumer LDPE + aluminium) + PP fraction + proprietary coupling system.
- 100% recycled polymer content · EU origin · full traceability per lot.
- Certified UNE 53925:2026 (PolyAl characterisation) · ISCC Plus · traceability per EN 15343.
- Same material every lot: banded MFI, declared ash, Certificate of Analysis with every delivery.

Processing

- Injection moulding and thick-wall extrusion. Recommended wall thickness ≥ 2 mm.
- Melt temperature 160-190 °C. Pre-dry 3 h at 85-95 °C (never above 105 °C).
- No equipment modifications required on standard PE/PP lines.

Supply

- Big Bags ~1,000 kg on pallet · full truck ~22-24 t.
- Colour: dark grey (black on request).