

M·VERA® PPC6000

Preliminary Technical Description



Product Description

M·VERA® PPC6000:	Biomass-balanced polypropylen compound for injection moulding
Applications:	Luggage, bins, crates, technical parts etc.
Suitable for:	Injection moulded parts with high impact strength
Certification:	ISCC PLUS: M·VERA® PPC6000 (B0233) CI, REDcert ² : M·VERA® PPC6000 (B0234) CR

Properties

	Standard	Unit	PPC6000
MVR 190 °C/2.16 kg	ISO 1133	cm ³ /10 min	3.9
Density	ISO 1183	g/cm ³	0.905
Allocation factor ^a	-	-	90
Tensile modulus	ISO 527-1/-2	MPa	1,350
Tensile strength at yield	ISO 527-1/-2	MPa	25
Elongation at yield	ISO 527-1/-2	%	6
Charpy notched impact strength +23 °C	ISO 179-1/1eA	kJ/m ²	15
Charpy notched impact strength -20 °C	ISO 179-1/1eU	kJ/m ²	6.5

^a The allocation factor is the percentage of biomass allocated to the product (max. value: 100 %) = percentage of replaced fossil based resources in the value chain. The allocation factor does not indicate how much biomass is actually in the product. It refers to the organic content (e.g. polymers) in the product.

The information given here is only valid for M·VERA® grades in their original packaging, sold by BIO-FED® and/or its authorized partners. If M·VERA® grades are mixed in any capacity with foreign material, beside masterbatches recommended by BIO-FED®, BIO-FED® declines any further responsibility. M·VERA® grades shall be stored in dry, closed rooms in closed packaging in original state and to be protected against direct sun. For keeping the product properties, the temperature must not exceed 50 °C at any time during transport and storage. Furthermore, the storage time must not exceed 12 months. Products made of M·VERA® grades have to be stored under same conditions. Please note that the use of masterbatches might influence the mechanical and/or optical properties of the final part.

The information contained herein is based on our current knowledge and experience. A legally binding promise of certain characteristics or suitability for a concrete individual case cannot be derived from this information. The information supplied here is not intended to release processors and users from the responsibility of carrying out their own tests and inspections in each concrete individual case. BIO-FED®, M·VERA®, AF-Eco®, AF-CirColor®, AF-CirCarbon® and AF-CirComplex® are registered brands of AKRO-PLASTIC GmbH.



BIO-FED

Branch of AKRO-PLASTIC GmbH

BioCampus Cologne · Nattermannallee 1
50829 Cologne · Germany
Phone: +49 221 888894-00
Fax: +49 221 888894-99
info@bio-fed.com · www.bio-fed.com

M·VERA® PPC6000

Processing Guide



Processing Recommendations

Safety Precautions:

- Processing at a melt temperature not higher than 260 °C
- Processing with adequate ventilation

Handling:

- Delivered ready-to-use
- Keep package sealed until use
- Reseal opened package of the M·VERA® product directly after use

Drying:

- In case the M·VERA® product becomes humid, drying by using a vacuum dryer or purging with dry air (dew point -35 °C)

Delivery & Storage:

- Supply in 20 kg foil-aluminum bags or 1 ton octabin with PE-inliner
- To be stored in dry place, protected from heat and direct sun radiation

Start-up:

- Change the temperature to recommended settings
- Start transition while purging the screw, when the temperature are within 10 °C of desired range

Equipment:

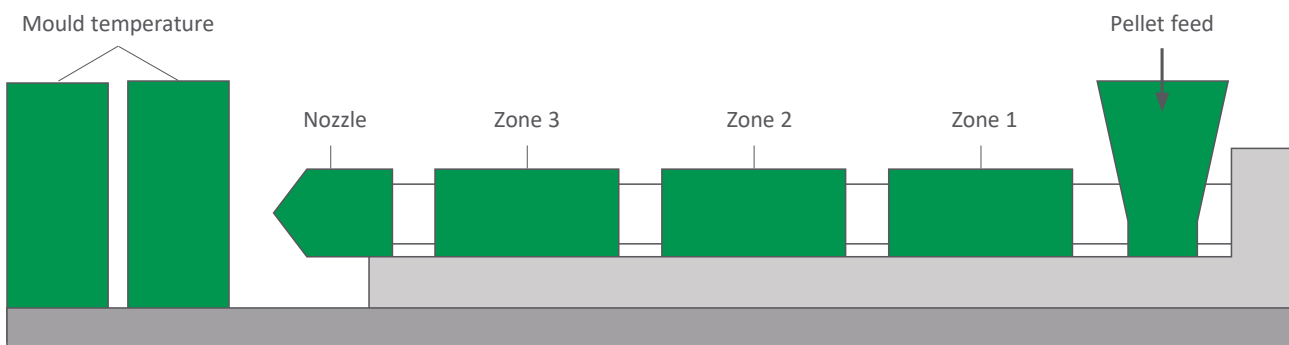
- M·VERA® grades are designed for standard equipment

Interruption & Shut-down:

- Never leave M·VERA® product in the extruder for a longer period, e.g. over night
- By interruption for a considerable time, slow down screw speed to 5 rpm approx.

Processing Temperatures

Grade	Mould Temp.	Nozzle	Zone 3	Zone 2	Zone 1
PPC6000	10–30 °C	240–260 °C	230–250 °C	220–240 °C	210–230 °C



BIO-FED

Branch of AKRO-PLASTIC GmbH

BioCampus Cologne · Nattermannallee 1
50829 Cologne · Germany
Phone: +49 221 888894-00
Fax: +49 221 888894-99
info@bio-fed.com · www.bio-fed.com