

# AT PP-H ECO 2040/W100.05

(Last update: 26.03.2025)

## MOCOM

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| Base Polymer           | Polypropylene Homopolymer                                              |
| Filler/Additive System | 40 % glass fibres                                                      |
| Colour                 | black                                                                  |
| Special Features       | processing stabilised,contains recycled material                       |
| Market Segment         | Automotive                                                             |
| Typical Applications   | injection moulded parts,housings,functional components,fixing elements |

|                       |                                                                                                                                                                                |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pre-Drying Conditions | in a dry air (dessiccant) dryer 80-120 °C<br>for 2-3 h<br>in an air circulating dryer 80-120 °C<br>for 2-4 h<br>dependant on moisture content<br>max. moisture content <0,10 % |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Processing Injection Moulding | melt temperature 200-250 °C<br>mould temperature 20-70 °C |
|-------------------------------|-----------------------------------------------------------|

|         |                           |
|---------|---------------------------|
| Storage | dry, protected from light |
|---------|---------------------------|

| Properties                             | Value | Dimension                 | Test Norm        |
|----------------------------------------|-------|---------------------------|------------------|
| <b>Mechanical Properties</b>           |       |                           |                  |
| Tensile Modulus                        | 7000  | MPa                       | ISO 527          |
| Tensile Strength at Break              | 80    | MPa                       | ISO 527          |
| Tensile Elongation at Break            | 3     | %                         | ISO 527          |
| Impact Strength (Charpy, 23°C)         | 43    | kJ/m <sup>2</sup>         | ISO 179/1eU      |
| Notched Impact Strength (Charpy, 23°C) | 10    | kJ/m <sup>2</sup>         | ISO 179/1eA      |
| <b>Rheological Properties</b>          |       |                           |                  |
| Melt Index (MVR)                       | 6     | cm <sup>3</sup> /10min    | ISO 1133         |
| MVR temperature                        | 230   | °C                        | -                |
| MVR load                               | 2.16  | kg                        | -                |
| <b>Physical Properties</b>             |       |                           |                  |
| Density                                | 1260  | kg/m <sup>3</sup>         | ISO 1183         |
| <b>Ecological Properties</b>           |       |                           |                  |
| Global Warming Potential (GWP)         | 1.11  | kg CO <sub>2</sub> eq./kg | ISO 14040, 14044 |

### Additional Information

When using raw materials from a recycling process, as with prime materials, ferrous / non-ferrous residues can never be completely excluded. To minimize the risk of possible effects of such residues, MOCOM uses extensive detection and separation systems in the production process of its compounds. However, even these quality assurance systems cannot guarantee that the resulting product is 100% free of such residues. Therefore, we recommend our customers to additionally use their own detection and separation systems adapted to their respective process. For further questions and specific advice in connection with MOCOM products, please do not hesitate to contact our application engineering department. The ecological properties listed in this document were calculated for a production in one of our European plants. Data for production in the United States or China can be provided by sending a request to the following address.

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### Liability Exclusion

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.

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