

## Technical Data Sheet



### AT PP-H ECO 2020/W100.05

## MOCOM

|                        |                                                                           |
|------------------------|---------------------------------------------------------------------------|
| Base Polymer           | Polypropylene Homopolymer                                                 |
| Filler/Additive System | 20 % glass fibres                                                         |
| Colour                 | black                                                                     |
| Special Features       | processing stabilised, contains recycled material                         |
| Market Segment         | Automotive                                                                |
| Typical Applications   | injection moulded parts, functional components, housings, 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                        | 4500  | MPa                       | ISO 527          |
| Tensile Strength at Break              | 60    | MPa                       | ISO 527          |
| Tensile Elongation at Break            | 4     | %                         | ISO 527          |
| Impact Strength (Charpy, 23°C)         | 40    | kJ/m <sup>2</sup>         | ISO 179/1eU      |
| Notched Impact Strength (Charpy, 23°C) | 8     | kJ/m <sup>2</sup>         | ISO 179/1eA      |
| <b>Rheological Properties</b>          |       |                           |                  |
| Melt Index (MVR)                       | 12    | cm <sup>3</sup> /10min    | ISO 1133         |
| MVR temperature                        | 230   | °C                        | -                |
| MVR load                               | 2.16  | kg                        | -                |
| <b>Physical Properties</b>             |       |                           |                  |
| Density                                | 1040  | kg/m <sup>3</sup>         | ISO 1183         |
| <b>Ecological Properties</b>           |       |                           |                  |
| Global Warming Potential (GWP)         | 1.42  | kg CO <sub>2</sub> eq./kg | ISO 14040, 14044 |