

## Technical Data Sheet



### WIPAFLEX TV 20 BK

## MOCOM

|                        |                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------|
| Base Polymer           | Thermoplastic Olefin Elastomer                                                                                 |
| Filler/Additive System | 20 % talcum                                                                                                    |
| Colour                 | black                                                                                                          |
| Special Features       | contains recycled material, processing stabilised, heat stabilised                                             |
| Market Segment         | Automotive, Machinery, electrical and electronic, building and construction, sport and leisure, do-it-yourself |
| Typical Applications   | injection moulded parts                                                                                        |

|                               |                                                                                                                                               |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Pre-Drying Conditions         | in a dry air (dessiccant) dryer 60-100 °C<br>for 2-4 h<br>in an air circulating dryer 60-100 °C<br>for 2-4 h<br>max. moisture content <0,10 % |
| Processing Injection Moulding | melt temperature 200-250 °C<br>mould temperature 20-60 °C                                                                                     |
| Storage                       | dry, protected from light<br>tightly sealed                                                                                                   |

| Properties                              | Value | Dimension                 | Test Norm        |
|-----------------------------------------|-------|---------------------------|------------------|
| <b>Mechanical Properties</b>            |       |                           |                  |
| Tensile Modulus                         | 1400  | MPa                       | ISO 527          |
| Tensile Strength at Break               | 18    | MPa                       | ISO 527          |
| Tensile Elongation at Break             | 18    | %                         | ISO 527          |
| Impact Strength (Charpy, 23 °C)         | 55    | kJ/m <sup>2</sup>         | ISO 179/1eU      |
| Notched Impact Strength (Charpy, 23 °C) | 7     | kJ/m <sup>2</sup>         | ISO 179/1eA      |
| <b>Rheological Properties</b>           |       |                           |                  |
| Melt Index (MVR)                        | 11    | cm <sup>3</sup> /10min    | ISO 1133         |
| MVR temperature                         | 230   | °C                        | -                |
| MVR load                                | 2.16  | kg                        | -                |
| <b>Physical Properties</b>              |       |                           |                  |
| Density                                 | 1020  | kg/m <sup>3</sup>         | ISO 1183         |
| <b>Ecological Properties</b>            |       |                           |                  |
| Global Warming Potential (GWP)          | 0.61  | kg CO <sub>2</sub> eq./kg | ISO 14040, 14044 |