

## Technical Data Sheet

❖ **Alfater XL<sup>®</sup>****MOCOM****ALFATER XL A65E 2GP0000 WT1159-17**

|                      |                                                                                                                                                                   |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Base Polymer         | Thermoplastic Vulcanisate (PP+EPDM)                                                                                                                               |
| Colour               | natural color,white,black                                                                                                                                         |
| Service Temperature  | max. range (depending on load, geometry, etc.) -40-125 °C                                                                                                         |
| Special Features     | high viscosity,good weathering resistance,good chemical resistance,good ozone resistance,good hot air resistance,good hydrolysis resistant                        |
| Market Segment       | Automotive,building and construction,Machinery,electrical and electronic,Furniture                                                                                |
| Application Area     | extruded parts,blow moulded parts,coextrusion                                                                                                                     |
| Typical Applications | profile,seals,sealing lip,conduit,tubes,cable guides,cable jacketing,bellows,air duct,2K components                                                               |
| Adhesion to          | Polypropylene Homopolymer,Polypropylene Copolymer,Polyethylene,Thermoplastic Vulcanisate (PP+EPDM),Thermoplastic Olefin Elastomer,Thermoplastic Elastomer general |

|                       |                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------|
| Pre-Drying Conditions | in a dry air (dessiccant) dryer 60-70 °C<br>for 2-4 h<br>max. moisture content <0,10 % |
|-----------------------|----------------------------------------------------------------------------------------|

|                      |                                                           |
|----------------------|-----------------------------------------------------------|
| Processing Extrusion | melt temperature 190-230 °C<br>die temperature 190-210 °C |
|----------------------|-----------------------------------------------------------|

|         |                                                                                           |
|---------|-------------------------------------------------------------------------------------------|
| Storage | dry, protected from light<br>not above 30°C<br>tightly sealed<br>do not stack the pallets |
|---------|-------------------------------------------------------------------------------------------|

| Properties                                    | Value | Dimension | Test Norm |
|-----------------------------------------------|-------|-----------|-----------|
| <b>Mechanical Properties</b>                  |       |           |           |
| Tensile Stress at 100% Elongation (Type 2)    | 2.8   | MPa       | ISO 37    |
| Tensile Strength (Type 2)                     | 5.4   | MPa       | ISO 37    |
| Tear Strength (Method Ba)                     | 27    | kN/m      | ISO 34-1  |
| Elongation at Break (Type 2)                  | 400   | %         | ISO 37    |
| Shore Hardness A (15s)                        | 65    | -         | ISO 868   |
| <b>Thermal Properties</b>                     |       |           |           |
| Compression Set (22h / 100 °C / 25% / Type A) | 50    | %         | ISO 815   |
| Compression Set (22h / 70 °C / 25% / Type A)  | 50    | %         | ISO 815   |
| Compression Set (72h / 22 °C / 25% / Type A)  | 33    | %         | ISO 815   |
| Compression Set (72h / 125 °C / 25% / Type A) | 67    | %         | ISO 815   |
| <b>Electrical Properties</b>                  |       |           |           |
| Tracking Resistance (CTI)                     | 600   | -         | IEC 60112 |

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### Physical Properties

|         |     |                   |          |
|---------|-----|-------------------|----------|
| Density | 930 | kg/m <sup>3</sup> | ISO 1183 |
|---------|-----|-------------------|----------|

### Ageing Properties

|                             |        |   |             |
|-----------------------------|--------|---|-------------|
| Ozone resistance (method A) | passed | - | ISO 1431-1A |
|-----------------------------|--------|---|-------------|

### Flammability

|                                |        |       |              |
|--------------------------------|--------|-------|--------------|
| Flammability (1.5 mm)          | HB     | class | UL 94        |
| Flammability (3.0 mm)          | HB     | class | UL 94        |
| Glow Wire (GWFI, 650°C, 2.0mm) | passed | -     | DIN EN 60695 |