

ALFATER XL A65E 2GP0000 WT1159-17

(Last update: 28.11.2024)

MOCOM

| | |
|----------------------|--|
| 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 for 2-4 h max. moisture content <0,10 % |
| Processing Extrusion | melt temperature 190-230 °C die temperature 190-210 °C |
| Storage | dry, protected from light not above 30°C tightly sealed do not stack the pallets |

| Properties | Value | Dimension | Test Norm |
|---|--------------|------------------|------------------|
| Mechanical Properties | | | |
| 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 |
| Thermal Properties | | | |
| 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 |
| Electrical Properties | | | |
| Tracking Resistance (CTI) | 600 | - | IEC 60112 |

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Physical Properties

| | | | |
|---------|-----|-------------------|----------|
| Density | 930 | kg/m ³ | 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 |

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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