

**ALFATER XL A65E 2GP0000**

(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

<b>Properties</b>	<b>Value</b>	<b>Dimension</b>	<b>Test Norm</b>
<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

Technical Data Sheet

# Alfater XL<sup>®</sup>



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#### Physical Properties

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

#### Ageing Properties

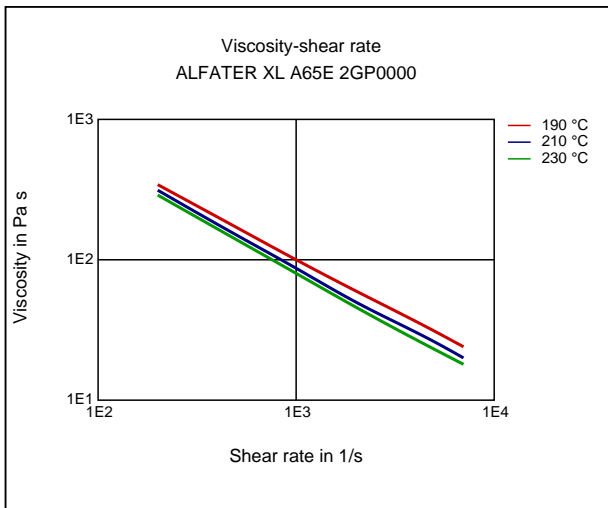
Ozone resistance (method A) passed - ISO 1431-1A

#### Flammability

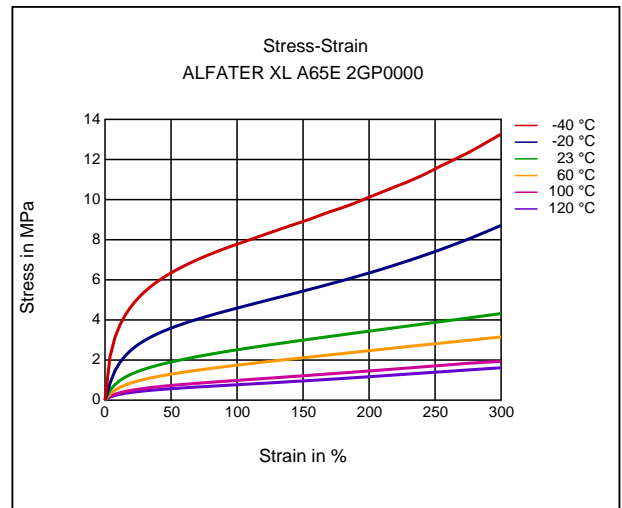
Flammability (1.5 mm) HB class UL 94  
 Flammability (3.0 mm) HB class UL 94  
 Glow Wire (GWFI, 650 °C, 2.0mm) passed - DIN EN 60695

#### Diagrams

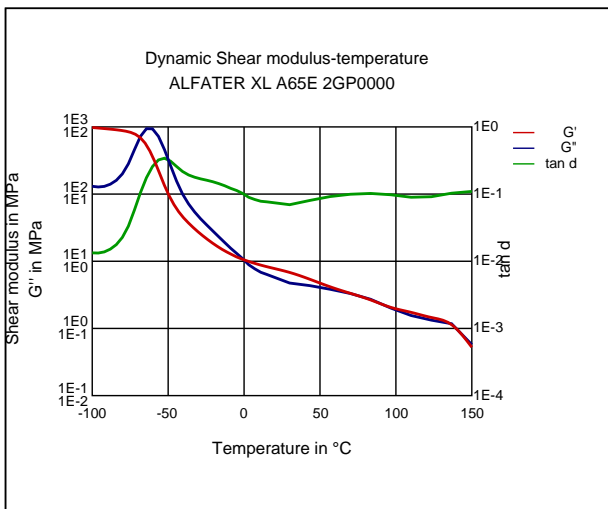
##### Viscosity-shear rate



##### Stress-Strain



##### Dynamic Shear modulus-temperature



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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.

Any information given on the chemical and physical characteristics of our products, including, without limitation, technical advice on applications, whether verbally, in writing or by testing the product, is given to the best of our knowledge and in good faith and does not exempt the buyer from carrying out their own investigations and tests in order to ascertain the product's specific suitability for the purpose intended.

The buyer is solely responsible for confirming the suitability of the product for a particular application, its utilization and processing and must observe any applicable laws and government regulations. **NO EXPRESS OR IMPLIED RECOMMENDATION OR WARRANTY IS GIVEN WITH REGARD TO THE SUITABILITY OF THE PRODUCT FOR A PARTICULAR APPLICATION, SUCH AS, BUT NOT LIMITED TO, SAFETY-CRITICAL COMPONENTS OR SYSTEMS.**

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- any bodily implant application for greater than 30 days
- any critical component in any medical device that supports or sustains human life.

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