

ALFATER XL A80E 2GP0000

(Last update: 25.03.2024)

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Base Polymer	Thermoplastic Vulcanisate (PP+EPDM)
Colour	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, black fulfills weathering dry, hot (Kalahari, PV3929), black fulfills weathering moist, hot (Florida, PV3930)
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 70-80 °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

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile Stress at 100% Elongation (Type 2)	4.5	MPa	ISO 37
Tensile Strength (Type 2)	9.3	MPa	ISO 37
Tear Strength (Method Ba)	40	kN/m	ISO 34-1
Elongation at Break (Type 2)	475	%	ISO 37
Shore Hardness A (15s)	80	-	ISO 868
Rebound Resilience (6 mm)	35	%	DIN 53512
Thermal Properties			
Compression Set (22h / 100 °C / 25% / Type A)	48	%	ISO 815
Compression Set (22h / 70 °C / 25% / Type A)	45	%	ISO 815
Compression Set (72h / 22 °C / 25% / Type A)	32	%	ISO 815
Compression Set (72h / 125 °C / 25% / Type A)	68	%	ISO 815

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Electrical Properties

Tracking Resistance (CTI) 600 - IEC 60112

Physical Properties

Density 930 kg/m³ ISO 1183

Ageing Properties

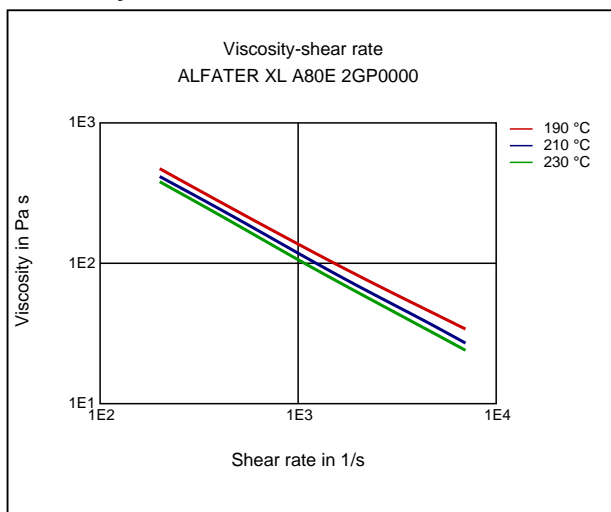
Ozone resistance (method A) passed - ISO 1431-1A

Flammability

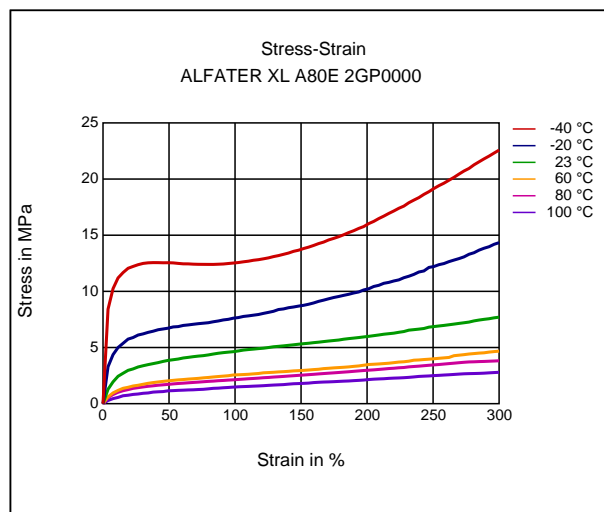
Flammability (1.5 mm)	HB	class	UL 94
Flammability (3.0 mm)	HB	class	UL 94
Glow Wire (GWFI, 650°C, 2.0mm)	passed	-	DIN EN 60695

Diagrams

Viscosity-shear rate



Stress-Strain



Technical Data Sheet

Alfater XL[®]

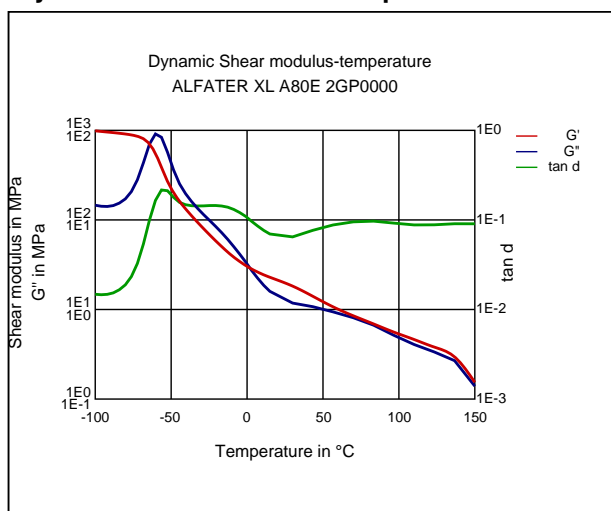


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Dynamic Shear modulus-temperature



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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Important: irrespective of product type or designation, ALBIS does not recommend or support the use of any products it supplies which fall into the following medical, pharmaceutical or diagnostic application categories:

- risk class III applications according to EU directive 93/42/EEC

Technical Data Sheet

❖ Alfater XL[®]

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The logo for ALBIS, featuring a stylized blue icon of three overlapping shapes to the left of the word "ALBIS" in a bold, blue, sans-serif font.

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

At all times, our standard terms and conditions of sale apply.