

Technical Data Sheet - Preliminary Product

❖ Alfater XL®

MOCOM

ALFATER XL A80I 2FE0002

Base Polymer	Thermoplastic Vulcanisate (PP+EPDM)
Colour	black
Service Temperature	max. range (depending on load, geometry, etc.) -40-125 °C
Special Features	high density, noise dampening, good weathering resistance, resistant to alkalis, good ozone resistance, good hot air resistance, good hydrolysis resistant
Market Segment	Automotive, Machinery, building and construction, electrical and electronic
Application Area	injection moulded parts

Pre-Drying Conditions	in a dry air (dessiccant) dryer for 2-4 h max. moisture content <0,10 %
Processing Injection Moulding	melt temperature 195-230 °C mould temperature 10-70 °C injection speed high
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)	2.2	MPa	ISO 37
Tensile Strength (Type 2)	2.5	MPa	ISO 37
Tear Strength (Method Ba)	17	kN/m	ISO 34-1
Elongation at Break (Type 2)	225	%	ISO 37
Shore Hardness A (15s)	80	-	ISO 868
Thermal Properties			
Compression Set (22h / 100°C / 25% / Type A)	65	%	ISO 815
Compression Set (22h / 70°C / 25% / Type A)	50	%	ISO 815
Compression Set (72h / 22°C / 25% / Type A)	55	%	ISO 815
Compression Set (72h / 125°C / 25% / Type A)	75	%	ISO 815
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.7 - 1.1	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.9	%	ISO 294-4
Spiral Flow (2 mm wall thickness)	75	cm	-
Physical Properties			
Density	2100	kg/m³	ISO 1183

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Ageing Properties

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