

Technical Data Sheet

❖ Alfater XL®



ALFATER XL A70I 4GP0000 BK1046-22

MOCOM

Base Polymer	Thermoplastic Vulcanisate (PP+EPDM)
Colour	black
Service Temperature	max. range (depending on load, geometry, etc.) -40-125 °C
Special Features	low emission, easy flow, good weathering resistance, good chemical resistance, good ozone resistance, good hot air resistance, good hydrolysis resistant
Market Segment	Automotive, building and construction, electrical and electronic, sport and leisure
Application Area	injection moulded parts
Typical Applications	seals, handles, racking / shelving, soft touch elements, impact protection / shock absorber, protection caps, thin walled parts, profile, cable ducts, 2K components
Adhesion to	Polypropylene Homopolymer, Polypropylene Copolymer, Polyethylene, Thermoplastic Olefin Elastomer, Thermoplastic Elastomer general, Ethylene propylene diene rubber

Pre-Drying Conditions	in a dry air (dessiccant) dryer 70-80 °C for 2-4 h max. moisture content <0,10 %
Processing Injection Moulding	melt temperature 190-220 °C mould temperature 10-60 °C injection speed middle - high back pressure (hydraulic) >3 bar holding pressure 50-70% of injection pressure
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)	2.3	MPa	ISO 37
Tensile Strength (Type 2)	5.1	MPa	ISO 37
Tear Strength (Method Ba)	27	kN/m	ISO 34-1
Elongation at Break (Type 2)	550	%	ISO 37
Shore Hardness A (15s)	70	-	ISO 868
Thermal Properties			
Compression Set (22h / 100°C / 25% / Type A)	50	%	ISO 815
Compression Set (22h / 70°C / 25% / Type A)	43	%	ISO 815
Compression Set (72h / 22°C / 25% / Type A)	35	%	ISO 815
Compression Set (72h / 125°C / 25% / Type A)	63	%	ISO 815

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Electrical Properties

Tracking Resistance (CTI)	600	-	IEC 60112
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Rheological Properties

Spiral Flow (2 mm wall thickness)	65	cm	-
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Physical Properties

Density	940	kg/m ³	ISO 1183
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Ageing Properties

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

Fire behavior FMVSS (2.0 mm)	passed	-	FMVSS 302/DIN 75200
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