

ALFATER XL® A70I 4PA0010

Polypropylene + EPDM Rubber

MOCOM Compounds GmbH & Co. KG

Technical Data

Product Description

Base Polymer
Thermoplastic Vulcanisate (PP+EPDM)

Colour
natural color, bright inherent color, black

Service Temperature
max. range (depending on load, geometry, etc.) -40-125 °C

Special Features
adhesion-modified to polyamide, easy flow, 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, do-it-yourself, electrical and electronic, Machinery, Furniture

Application Area
injection moulded parts

Typical Applications
seals, sealing lip, handles, soft touch elements, impact protection / shock absorber, functional components, casters, 2K components

Adhesion to
Polyamide, Polyamide 6, Polyamide 66

General

Features	• Chemical Resistant • Good Flow	• Good Heat Resistance • Good Weather Resistance	• Hydrolysis Resistant • Ozone Resistant
Uses	• Automotive Applications • Construction Applications • Electrical/Electronic Applications	• Furniture • Handles • Machine/Mechanical Parts	• Seals • Soft Touch Applications
RoHS Compliance	• Contact Manufacturer		
Appearance	• Black	• Natural Color	
Processing Method	• Injection Molding		

Physical	Nominal Value Unit	Test Method
Density	0.930 g/cm ³	ISO 1183
Spiral Flow ²	75.0 cm	
Elastomers	Nominal Value Unit	Test Method
Tensile Stress ³ (100% Strain)	3.70 MPa	ISO 37
Tensile Stress ³ (Yield)	5.60 MPa	ISO 37
Tensile Elongation ³ (Break)	350 %	ISO 37
Tear Strength ⁴	25.0 kN/m	ISO 34-1
Compression Set ^{5, 6}		ISO 815
22°C, 72 hr	25 %	
70°C, 22 hr	40 %	
100°C, 22 hr	50 %	
125°C, 72 hr	60 %	

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Hardness	Nominal Value Unit	Test Method
Shore Hardness (Shore A, 15 sec)	70	ISO 868
Flammability	Nominal Value Unit	Test Method
Glow Wire Flammability Index		IEC 60695-2-12
1.0 mm	700 °C	
2.0 mm	750 °C	
Injection	Nominal Value Unit	
Drying Temperature - Desiccant Dryer	70 to 80 °C	
Drying Time - Desiccant Dryer	2.0 to 4.0 hr	
Suggested Max Moisture	0.10 %	
Processing (Melt) Temp	215 to 260 °C	
Mold Temperature	< 70 °C	
Injection Rate	Fast	
Back Pressure	> 0.300 MPa	

Notes

- ¹ Typical properties: these are not to be construed as specifications.
- ² 2.00 mm
- ³ Type 2
- ⁴ Method Ba, Angle (Unnicked)
- ⁵ Type A
- ⁶ 25%