ALFATER XL® A65E 2GP0000

Polypropylene + EPDM Rubber

MOCOM Compounds GmbH & Co. KG

Technical Data

Product Description

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 reistance, 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

General

Features	• Chemical Resistant • Good Heat Resistance	• Good Weather Resistance • High Viscosity	• Hydrolysis Resistant • Ozone Resistant
Uses	• Automotive Applications • Blow Molding Applications • Cable Jacketing • Conduit	• Construction Applications • Electrical/Electronic Applications • Furniture • Machine/Mechanical Parts	• Profiles • Seals • Tubing
RoHS Compliance	• Contact Manufacturer		
Appearance	• Black	• Natural Color	• White
Processing Method	• Coextrusion	• Extrusion	

Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm³	ISO 1183
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2] (100% Strain)	3.00	MPa	ISO 37
Tensile Stress [2] (Yield)	6.00	MPa	ISO 37
Tensile Elongation [2] (Break)	400	%	ISO 37
Tear Strength [3]	30.0	kN/m	ISO 34-1
Compression Set [4, 5]			ISO 815
22°C, 72 hr	24	%	
70°C, 22 hr	45	%	
100°C, 22 hr	50	%	
125°C, 72 hr	65	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore A, 15 sec)	65		ISO 868

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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	%
Extrusion	**Nominal Value**	**Unit**
Melt Temperature	190 to 230	°C
Die Temperature	190 to 210	°C

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] Type 2

[3] Method Ba, Angle (Unnicked)

[4] Type A

[5] 25%