

ALFATER XL® D50E 1GP0001

Thermoplastic Vulcanizate

ALBIS PLASTIC GmbH

Message:

ALFATER XL® D50E 1GP0001 is a Thermoplastic Vulcanizate (TPV) product. It can be processed by extrusion or profile extrusion and is available in Asia Pacific, Europe, or North America. Applications of ALFATER XL® D50E 1GP0001 include automotive, electrical/electronic applications, construction applications, sealing applications and wire & cable.

Characteristics include:

REACH Compliant

RoHS Compliant

Good Weather Resistance

General Information	
Features	Alkali Resistant
	Good Weather Resistance
	Ozone Resistant
Uses	Automotive Applications
	Cable Jacketing
	Conduit
	Construction Applications
	Electrical/Electronic Applications
	Profiles
	Seals
Agency Ratings	EC 1907/2006 (REACH)
RoHS Compliance	RoHS Compliant
Processing Method	Extrusion
	Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	50		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	13.8	MPa	ISO 527-2
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	21.6	MPa	ISO 37
Tensile Elongation (Break)	600	%	ISO 37
Tear Strength	97	kN/m	ISO 34-1
Compression Set ¹ (100°C, 22 hr)	80	%	ISO 815
Thermal	Nominal Value	Unit	

Service Temperature	-40 to 125	°C
Injection	Nominal Value	Unit
Drying Temperature	70.0 to 80.0	°C
Drying Time	2.0 to 4.0	hr
Extrusion	Nominal Value	Unit
Melt Temperature	195 to 215	°C
NOTE		
1.	25%	

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