

# ALFATER XL® A90I 4FC0000

Thermoplastic Vulcanizate

ALBIS PLASTIC GmbH

## Message:

ALFATER XL® A90I 4FC0000 is a Thermoplastic Vulcanizate (TPV) product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALFATER XL® A90I 4FC0000 include food contact applications, handles, hose/tubing and sealing applications.

Characteristics include:

REACH Compliant

RoHS Compliant

General Information			
Features	Alkali Resistant		
	Ozone Resistant		
Uses	Handles		
	Non-specific Food Applications		
	Seals		
	Tubing		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm <sup>3</sup>	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	90		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	4.80	MPa	ISO 527-2
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Break)	8.80	MPa	ISO 37
Tensile Elongation (Break)	540	%	ISO 37
Tear Strength	40	kN/m	ISO 34-1
Compression Set (100°C, 22 hr)	66	%	ISO 815
Thermal	Nominal Value	Unit	
Service Temperature	-40 to 125	°C	
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	70.0 to 80.0	°C	
Drying Time - Desiccant Dryer	2.0 to 4.0	hr	
Processing (Melt) Temp	195 to 215	°C	
Mold Temperature	10.0 to 70.0	°C	
Injection Rate	Fast		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

