

Fireguard® 910-A10-NL2

Flexible Polyvinyl Chloride

Teknor Apex Company

Message:

Fireguard®910-A10-NL2 is a flexible polyvinyl chloride material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is: extrusion.

Fireguard®The main characteristics of 910-A10-NL2 are:

ROHS certification

Flame Retardant

Typical application areas include:

Wire and cable

Electrical/electronic applications

General Information			
Features	Low smoke		
	Flame retardancy		
Wire Types	CL2P		
	CL3P		
	CMP		
	FPLP		
	MPP		
	OFNP		
Agency Ratings	NEC Article 725		
	NEC Article 760		
	NEC Article 770		
	NEC Article 800		
	UL 13		
	UL 1424		
	UL 1651		
	UL 444		
RoHS Compliance	RoHS compliance		
	UL QMTM2 .E200337		
Appearance	Opacity		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.59	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240

Shaw C	92		ASTM D2240
Shaw C, 10 seconds	87		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	17.9	MPa	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	75.0	°C	ASTM D794
Brittleness Temperature	-4.00	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant			ASTM D150
1 kHz	4.57		ASTM D150
1 MHz	3.52		ASTM D150
Dissipation Factor			ASTM D150
1 kHz	0.069		ASTM D150
1 MHz	0.045		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	47	%	ASTM D2863
Additional Information			
Cone Calorimeter, Peak Heat Release Rate: 108 kW/m ² Cone Calorimeter, Average Heat Release Rate: 65 kW/m ² Cone Calorimeter, Total Heat Released: 64 MJ/m ² Cone Calorimeter, Average Heat of Combustion: 10.2 MJ/kgCone Calorimeter, Average Specific Extinction Area: 425 m ² /kgCone Calorimeter, Peak Smoke: 2.5 1/mKayeness ACR, 370°F, 1000 sec-1: 295 PA-secDynamic Heat Stability @ 205°, 100 RPM, 72 gr. #5 Bowl: 31 min to DecompositionTA Six-Digit Code: 109-775			
Extrusion	Nominal Value	Unit	
Melt Temperature	196	°C	

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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

