

# SILVER® SA-5302

Polyolefin

Guangdong Silver Age Sci & Tech. Co., Ltd

## Message:

SILVER® SA-5300 is low—smoke halogen-free flame retardant compound for cable which is polyolefin based material containing inorganic flame retardant, antioxidant, lubricant, etc. It is non-halogen, non-heavy metal, can pass RoHS. The series compound which can be radiation cross—linking makes it higher performance for temperature—resistant, better mechanical property and better insulating property. It can be used for power—cable, the cable for metro, and the cable for nuclear power plant, and so on.

Low Smoke Zero Halogen Flame Retardant Polyolefin Series

Thermoplastic Series

Characteristics:

low smoke zero halogen

Applications:

wire and cable, plug, electronic line and so on

General Information		
Additive	Antioxidant	
	Flame Retardant	
	Lubricant	
Features	Antioxidant	
	Flame Retardant	
	Halogen Free	
	Low Smoke Emission	
	Lubricated	
Uses	Electrical Parts	
	Electrical/Electronic Applications	
	Nuclear Power Applications	
	Plugs	
	Wire & Cable Applications	
RoHS Compliance	RoHS Compliant	
Physical	Nominal Value	Unit
Specific Gravity	1.47	g/cm <sup>3</sup>
pH	6.4	
Hot Pressure Test (80°C)	< 50	%
Halogenidric Acid Emissions	2.70	mg/g
Smoke Density	Flame	59
	Non-flame	190
Toxicity	0.900	
Electrical Conductivity	1.90	μS/mm

Hardness	Nominal Value	Unit
Durometer Hardness		
Shore A	94	
Shore D	50	
Mechanical	Nominal Value	Unit
Tensile Strength	12.6	MPa
Tensile Elongation (Break)	200	%
Aging	Nominal Value	Unit
Change in Tensile Strength (100°C, 168 hr)	9.0	%
Change in Ultimate Elongation (100°C, 168 hr)	-15	%
Electrical	Nominal Value	Unit
Volume Resistivity	5.0E+13	ohms·cm
Dielectric Strength	26	kV/mm
Flammability	Nominal Value	Unit
Oxygen Index	38	%

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