

# Polyrocks EP8400S90F-H1

Polyethylene

Polyrocks Chemical Co., Ltd

## Message:

Thermoplastic low-smoke halogen-free flame retardant polyolefin wire & cable compound is environmental flame retardant material with hydroxide as main flame retardant elements. Dehydration endothermic and carbonize play the flame retardant performance. Thermoplastic cross-linked low-smoke halogen-free flame retardant polyolefin wire & cable compound, which Mechanical properties meet the requirements of LSZH coating of building wire, communication wire and power cable. The flammability reach IEC60332, grade A, B, and meet the requirements of ROHS, SVHC, PFOS & PFOA, 16P, Halogen, PAHs...etc.

General Information		
Additive	Flame retardancy 2	
Features	Excellent Processability	
	Low smoke	
	Crosslinkable	
	Good electrical performance	
	Halogen-free	
Uses	Flame retardancy	
	LSZH Jacketing	
	Building wire sheath	
	Cable sheath	
	Wire and cable applications	
Wire Types	Communication wire sheath	
	A	
Agency Ratings	B	
	EC 1907/2006 (REACH)	
RoHS Compliance	RoHS compliance	
Forms	Particles	
Physical	Nominal Value	Unit
Density	1.42	g/cm <sup>3</sup>
pH	5.8	
Toxicity	1.20	
Smoke Density		
Flame	53	
Flameless	140	
Electrical Conductivity	1.10	μS/mm
Halogen Acid Gas Evolution	0	
Mechanical	Nominal Value	Unit

Tensile Strength	12.0	MPa
Tensile Elongation (Break)	250	%
Aging	Nominal Value	Unit
Change in Tensile Strength in Air (100°C, 168 hr)	-4.0	%
Change in Ultimate Elongation in Air (100°C, 168 hr)	-19	%
Thermal	Nominal Value	Unit
Brittleness Temperature	-40.0	°C
Electrical	Nominal Value	Unit
Volume Resistivity (20°C)	2.8E+12	ohms·cm
Dielectric Strength	25	kV/mm
Flammability	Nominal Value	Unit
Oxygen Index	33	%

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#### Recommended distributors for this material

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