

# Polyrocks EP8400X125V-1

Crosslinked Polyethylene  
Polyrocks Chemical Co., Ltd

Message:

Irradiation cross-linked 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. Irradiation cross-linked low-smoke halogen-free flame retardant polyolefin wire & cable compound, which Mechanical properties meet the requirements of XLPE coating of electronic wire, automotive wire and photovoltaic wire, flammability reach UL1581 VW-1, and meet the requirements of ROHS, SVHC, PFOS & PFOA, 16P, Halogen, PAHs... etc.

General Information		
Additive	Flame retardancy 2	
Features	Low smoke	
	Radiation crosslinkable	
	Halogen-free	
	Flame retardancy	
Uses	Wire and cable applications	
	Wire sheath	
	Electronic cable sheath material	
Wire Types	VW-1	
Agency Ratings	EC 1907/2006 (REACH)	
RoHS Compliance	RoHS compliance	
Forms	Particles	
Physical	Nominal Value	Unit
Density	1.68	g/cm <sup>3</sup>
pH	5.5	
Toxicity	1.20	
Smoke Density		
Flame	55	
Flameless	130	
Electrical Conductivity	1.10	μS/mm
Halogen Acid Gas Evolution	0.00	mg/g
Mechanical	Nominal Value	Unit
Tensile Strength	10.8	MPa
Tensile Elongation (Break)	170	%
Aging	Nominal Value	Unit
Change in Tensile Strength in Air (158°C, 168 hr)	-5.0	%
Change in Ultimate Elongation in Air (158°C, 168 hr)	-20	%

Thermal	Nominal Value	Unit
Brittleness Temperature	-40.0	°C
Electrical	Nominal Value	Unit
Volume Resistivity (20°C)	1.6E+14	ohms·cm
Dielectric Strength	25	kV/mm
Flammability	Nominal Value	Unit
Oxygen Index	45	%

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