## Polyrocks EP8400XD105FVH-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.

Additive   Flame retardancy 2     Features   Low smoke     Radiation crosslinkable   Halogen-free     Flame retardancy   Flame retardancy     Uses   Wire and cable applications     Wire Types   WV-1     Agency Ratings   EC 1907/2006 (REACH)     RoHS Compliance   RoHS compliance     Forms   Particles     Physical   Nominal Value   Unit     Density   1.40   g/cm <sup>3</sup> Mechanical   Nominal Value   Unit     Tensile Elongation (Break)   400   %     Aging   Nominal Value   Unit     Change in Litinate Elongation in Air (136°C, 168 hr)   -5.0   %     Thermal   Nominal Value   Unit     Change in Utinate Elongation in Air (136°C, 168 hr)   -12   %     Thermal   Nominal Value   Unit     Change in Ensile Strength in Air (136°C, 168 hr)   -12   %     Thermal   Nominal Value   Unit     Didetcric Strength   3.2E+14   atmrs-cm     Dielectric Strength   26   KV/mm     Volume Resistivity (20°C)	General Information			
Radiation crosslinkable Halogen-free Flame retardancyUsesWire and cable applications Wire sheath Electronic cable sheath materialWire TypesVW-1Agency RatingsEC 1907/2006 (REACH)RoHS ComplianceRoHS complianceFormsParticlesPhysicalNominal ValueDensity1.40Moninal ValueUnitTensile Elongation (Break)13.3AgingNominal ValueChange in Tensile Strength in Air (136°C, 168 h°)-5.0RoHS compliance-6.0Change in Utimate Elongation in Air (136°C, 168 h°)-12%-12%Tensile Strength in Air (136°C, 168 h°)-12Kitteness Temperature-40.0'CPirtteness Temperature40.0UnitPirtteness Temperature3.2E ± 14ohms·crmVolume Resistivity (20°C)3.2E ± 14ohms·crmDelectric Strength26KV/rmm	Additive	Flame retardancy 2		
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Flame retardancy     Uses   Wire and cable applications     Wire sheath   Electronic cable sheath material     Electronic cable sheath material   Wire sheath     Electronic cable sheath material   Electronic cable sheath material     Mire Types   VW-1     Agency Ratings   EC 1907/2006 (REACH)     RoHS Compliance   RoHS compliance     Forms   Particles     Physical   Nominal Value     Density   1.40   g/cm <sup>3</sup> Mechanical   Nominal Value   Unit     Tensile Strength   1.3.3   MFa     Tensile Strength in Air (136°C)   -5.0   %     Grage in Tensile Strength in Air (136°C)   -5.0   %     Grage in Tensile Strength in Air (136°C)   -12   %     Grade in Utlimate Elongation in Air   -12   % <td></td> <td>Radiation crosslinkable</td> <td></td>		Radiation crosslinkable		
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Wire Types   WV-1     Agency Ratings   EC 1907/2006 (REACH)     RoHS Compliance   ROHS compliance     Forms   Particles     Physical   Nominal Value   Unit     Density   1.40   g/cm³     Mechanical   Nominal Value   Unit     Tensile Etongation (Break)   13.3   MPa     Aging   Nominal Value   Vint     Change in Tensile Strength   13.3   MPa     Aging   Nominal Value   Vint     Change in Tensile Strength in Air (136°C)   -5.0   %     Tensile Elongation (Break)   -5.0   %     Change in Uttimate Elongation in Air (136°C, 168 hr)   -12   %     Thermal   Nominal Value   Unit     Brittleness Temperature   40.0   %     Change in Uttimate Elongation in Air (136°C, 168 hr)   -12   %     Termal   Nominal Value   Unit     Brittleness Temperature   40.0   C     Quium Resistivity (20°C)   3.2E + 14   ohns-cm     Dielectric Strength   26   K//rmm	Uses	Wire and cable applications		
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Volume Resistivity (20°C)3.2E+14ohms·cmDielectric Strength26kV/mm	Brittleness Temperature	-40.0	°C	
Dielectric Strength 26 kV/mm	Electrical	Nominal Value	Unit	
	Volume Resistivity (20°C)	3.2E+14	ohms·cm	
Flammability Nominal Value Unit	Dielectric Strength	26	kV/mm	
	Flammability	Nominal Value	Unit	
Oxygen Index 33 %	Oxygen Index	33	%	

Smoke Density		
Flame	62	
Flameless	160	

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