

Polyrocks EP8400X125F-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 FT-2, and meet the requirements of ROHS, SVHC, PFOS & PFOA, 16P, Halogen, PAHs...etc.

| General Information | | |
|---|----------------------------------|-------------------|
| Additive | Flame retardancy 2 | |
| Features | Excellent Processability | |
| | Low smoke | |
| | Radiation crosslinkable | |
| | Good electrical performance | |
| | Halogen-free | |
| Uses | Flame retardancy | |
| | Wire and cable applications | |
| | Wire sheath | |
| | Electronic cable sheath material | |
| Wire Types | FT-2 | |
| Agency Ratings | EC 1907/2006 (REACH) | |
| RoHS Compliance | RoHS compliance | |
| Forms | Particles | |
| Physical | Nominal Value | Unit |
| Density | 1.35 | g/cm ³ |
| pH | 5.6 | |
| Toxicity | 0 | |
| Smoke Density | | |
| Flame | 62 | |
| Flameless | 140 | |
| Electrical Conductivity | 1.30 | μS/mm |
| Halogen Acid Gas Evolution | 1.30 | mg/g |
| Mechanical | Nominal Value | Unit |
| Tensile Strength | 14.2 | MPa |
| Tensile Elongation (Break) | 330 | % |
| Aging | Nominal Value | Unit |
| Change in Tensile Strength in Air (158°C, 168 hr) | -2.0 | % |


| | | |
|---|---------------|---------|
| Change in Ultimate Elongation in Air (158°C, 168 hr) | -14 | % |
| Thermal | Nominal Value | Unit |
| Brittleness Temperature | -40.0 | °C |
| Electrical | Nominal Value | Unit |
| Volume Resistivity (20°C) | 3.5E+14 | ohms·cm |
| Dielectric Strength | 27 | kV/mm |
| Flammability | Nominal Value | Unit |
| Oxygen Index | 30 | % |

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