

SILVER® PE 1011.RDH

Low Density Polyethylene

Guangdong Silver Age Sci & Tech. Co., Ltd

Message:

SILVER® Modified Polyolefin includes modified polyethylene and modified polypropylene. Modified polyethylene is mainly applied to cable jacket. Black polyethylene compound is composed of polyethylene resin, carbon black, antioxidant and so on. Black polyethylene compound is applied to communication cable, control cable, signal cable, power cable, optical cable and submarine cable. It conforms to GB15065-94 Standard. Modified PP including flame resistant, glass fiber and mineral reinforced and weather-resistant, is widely applied in electronic & electrical appliances, household appliances, auto accessories, lightings, mechanical components and sockets, and so on. In addition, we develop new products according to customer's specific requirements.

Characteristics:

extrusion grade LDPE

Applications:

cable jacket

General Information		
Additive	Antioxidant	
	Carbon Black	
Features	Antioxidant	
	Low Density	
Uses	Cable Jacketing	
Appearance	Black	
Processing Method	Extrusion	
Physical	Nominal Value	Unit
Specific Gravity	0.918 to 0.938	g/cm ³
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	< 2.0	g/10 min
Environmental Stress-Cracking Resistance (F0)	> 96.0	hr
Carbon Black Content	2.4 to 2.9	%
Oxidation Induction Time (200°C)	> 30	min
Extruder Screw L/D Ratio	22.0:1.0 to 26.0:1.0	
Mechanical	Nominal Value	Unit
Tensile Strength	> 13.0	MPa
Tensile Elongation ¹ (Break)	> 500	%
Thermal	Nominal Value	Unit
Brittleness Temperature	< -76.0	°C
Electrical	Nominal Value	Unit
Volume Resistivity	> 1.0E+6	ohms · cm
Dielectric Strength	> 25	kV/mm
Dielectric Constant (1 MHz)	< 2.80	
Extrusion	Nominal Value	Unit

Drying Temperature	80.0	°C
Drying Time	2.0	hr
Cylinder Zone 1 Temp.	160 to 165	°C
Cylinder Zone 3 Temp.	165 to 170	°C
Cylinder Zone 5 Temp.	170 to 175	°C
Die Temperature	175 to 185	°C

NOTE

1. 100 mm/min

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