

SILVER® PE 1011.LDH

Linear 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, antioxidantand so on. Black polyehylene compound is applied to communication cable,contoll cable,signal cable,power cable,opticalcable and submarine cable. It conforms to GB15065-94 Standard. Modified PP including flame resistant, glass fiber andmineral reinforced and weather—resistant, is widely applied in electronic & electrical appliances, household appliances, autoaccessories, lightings, mechanical components and sockets, and so on. In addition, we develop new products according to customer's specific requirements.

Characteristics:

extrusion grade LLDPE

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 0.943	g/cm ³
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	< 2.0	g/10 min
Environmental Stress-Cracking Resistance (F0)	> 500	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	> 14.0	MPa
Tensile Elongation ¹ (Break)	> 600	%
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.	170 to 175	°C
Cylinder Zone 3 Temp.	175 to 180	°C
Cylinder Zone 5 Temp.	180 to 185	°C
Die Temperature	185 to 190	°C

NOTE

1. 100 mm/min

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