

SILVER® PE 1011.MH

Low Density Polyethylene + HDPE

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+HDPE

Applications:

cable jacket

General Information		
Additive	Antioxidant Carbon Black	
Features	Antioxidant	
Uses	Cable Jacketing	
Appearance	Black	
Processing Method	Extrusion	
Physical	Nominal Value	Unit
Specific Gravity	0.928 to 0.948	g/cm ³
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	< 1.0	g/10 min
Environmental Stress-Cracking Resistance (F0)	> 500	hr
Mechanical	Nominal Value	Unit
Tensile Strength		
-- ¹	> 13.0	MPa
--	> 14.0	MPa
Tensile Elongation		
Break ²	> 500	%
Break ³	> 600	%
Aging	Nominal Value	Unit
Change in Tensile Strength	-25 to 25	%
Change in Ultimate Elongation	-25 to 25	%
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

Extrusion	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0	hr
Cylinder Zone 1 Temp.	180 to 185	°C
Cylinder Zone 3 Temp.	185 to 190	°C
Cylinder Zone 5 Temp.	190 to 195	°C
Die Temperature	195 to 200	°C
Extruder Screw L/D Ratio	22.0:1.0 to 26.0:1.0	
NOTE		
1.	after oven aging	
2.	after oven aging	
3.	100 mm/min	

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