SILVER® PE 1044.GH

High 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 HDPE
Applications:
cable jacket

General Information		
Additive	Antioxidant Carbon Black	
Features	Antioxidant High Density	
Uses	Cable Jacketing	
Appearance	Black	
Processing Method	Extrusion	
Physical	**Nominal Value**	**Unit**
Specific Gravity	0.928 to 0.958	g/cm³
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	< 0.50	g/10 min
Environmental Stress-Cracking Resistance (F0)	> 500	hr
Carbon Black Content	2.4 to 2.9	%
Extruder Screw L/D Ratio	22.0:1.0 to 26.0:1.0	
Mechanical	**Nominal Value**	**Unit**
Tensile Strength		
Yield	> 16.0	MPa
--	> 20.0	MPa
Tensile Elongation		
Break [1]	> 180	%
Break [2]	> 650	%
Thermal	**Nominal Value**	**Unit**
Brittleness Temperature	< -76.0	°C
Vicat Softening Temperature	> 110	°C
Electrical	**Nominal Value**	**Unit**

Volume Resistivity	> 1.0E+6	ohms·cm
Dielectric Strength	> 25	kV/mm
Dielectric Constant (1 MHz)	< 2.75	
Dissipation Factor	< 5.0E-3	

Extrusion	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0	hr
Cylinder Zone 1 Temp.	190 to 195	°C
Cylinder Zone 3 Temp.	195 to 200	°C
Cylinder Zone 5 Temp.	200 to 205	°C
Die Temperature	205 to 210	°C

NOTE	
1.	under low temperature
2.	100 mm/min

Recommended distributors for this material

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