

Conductor and Insulation Shield for Medium Voltage Power Cable

Description

CCBS-8730BK is a semiconductive compound and has an excellent scorch stability and good surface smoothness, so it is used for the triple coextrusion head.

Applications

CCBS-8730BK can be used for bonded typed, conductor and insulation shielding of medium voltage power cables.

Specifications

CCBS-8730BK meets the applicable requirements as below when processed using sound extrusion practice and testing procedure:

ICEA S-66-524, S-94-649
IEC 60502

HD 620 S2
AEIC CS5

Physical Properties	Unit	Test Method	Typical Value
Density	g/cm ³	ASTM D1505	1.13
Tensile Strength	kg/cm ²	ASTM D638	175
Elongation	%	ASTM D638	250
Oven Aging @ 135 °C, 7 days			
Retention of Tensile Strength	%	ASTM D638	>85
Retention of Elongation	%	ASTM D638	>85
Low Temperature Brittleness	°C	ASTM D746	<-40
Hardness (Shore D, 1 sec.)	-	ASTM D2240	58

Electrical Properties	Unit	Test Method	Typical Value
DC Volume Resistivity			
23 °C	ohm cm	ASTM D257	<200
90 °C	ohm cm	ASTM D257	<1000

- 1) These are typical properties and are not to be regarded as specifications.
- 2) Compression molded sample cured at 175 °C for 15 min.



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Processing Guidelines

CCBS-8730BK provides excellent surface finish and higher output rates over a broad range of conditions. For optimum results, melt extrusion temperatures in the range of 120~130°C is recommended. If needed, hopper drying at 50~60°C for 3~5 hours is recommended to remove moisture.

Packaging

The packaging(octabins with bottom and top unloading) is equipped with polyethylene inner-liners and is especially designed for clean handling of the product. The packaging is containerable and suitable for overseas transport.

Storage

The material should be stored indoors (15~30°C) in closed original packages in clean and dry environment. It is recommended to use the product on a first-in, first-out basis. Then recommended storage time at customer should not exceed 1 year.

Data Sheet and Safety

Please see our "Safety data sheet" for details of safety of the product.



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