Dow ENDURANCE™ HFDB-0586 BK S

Crosslinkable Semiconductive Shielding Compound with Superior Smoothness

The Dow Chemical Company

Описание материалов:

DOW ENDURANCE™ HFDB-0586 BK S is a specially formulated semiconductive, vulcanizable compound designed for conductor shield and bonded insulation shield applications in medium and high voltage crosslinked polyethylene insulated cables.(1) DOW ENDURANCE™ HFDB-0586 BK S has stable volume resistivity characteristics at elevated temperatures and is formulated with a polymer system that has demonstrated compatibility with copper and aluminum conductors. DOW ENDURANCE™HFDB-0586 BK S meets stringent requirements for product smoothness. As a conductor shield, it is designed for use up to 150 kV. As an insulation shield, it is designed for use up to 230 kV.,
Specifications
DOW ENDURANCE™ HFDB-0586 BK S is designed for use in power distribution and transmission cables. Cables with conductor and insulation shielding of DOW ENDURANCE™ HFDB-0586 BK S, prepared using sound commercial fabrication practice, would be expected to meet the following specifications:
AEIC: CS8, CS9
CEA: WCWG-01, WCWG-02
CSA: C68.2, C68.3
IEC: 60502, 60840, 62067
ICEA: S-108-720; S-94-649; S-97-682, S-93-639
DIN: VDE 0276-632, 0276-620
BS: 6622
Edf: HN-33-S-23, HN-33-S-52
ESI: 09-14
CENELEC: HD620 S1, HD632 S1
ISO 1872-E/BA, KHXY, 23-G200, C40
NF: C33-223, C33-226
UTE: C 33-223
UL: 1072
GB/T 11017 and GB/T 18890
(1) DOW ENDURANCE™ HFDB-0586 BK S is recommended for use in conjunction with DOW cross-linked polyethylene and tree-retardant cross-linked polyethylene compounds. For other polymer insulation such as EPR and EPDM's, the user is cautioned to establish the utility of DOW ENDURANCE™ HFDB-0586 BK S with each formulation.

Главная Информация	
Используется	Высоковольтный полупроводниковый щит
	Полупроводниковый щит
	Подземный Кабель
	Защита кабеля
	Применение проводов и кабелей
Рейтинг агентства	AEIC CS8
	AEIC CS9
	BS 6622
	DIN VDE 0276-620
	DIN VDE 0276-632
	EDF HN 33-S-23
	EDF HN 33-S-52

HD 620 S1

HD 632 S1

ICEA S-93-639

ICEA S-94-649

ICEA S-97-682

IEC 60502

IEC 60840

IEC 62067

ISO 1872 E/BA KHXY 23G200 C40

NF C 33-223

NF C 33-226

UL 1072

UTE C 33-223

Формы	Частицы		
Физический	**Номинальное значение**	**Единица измерения**	**Метод испытания**
Плотность	1.10	g/cm³	ASTM D1505
Экологическое сопротивление растрескиванию (100% Igepal, F0)	> 504	hr	ASTM D1693
Механические	**Номинальное значение**	**Единица измерения**	**Метод испытания**
Прочность на растяжение	15.9	MPa	ASTM D638
Удлинение при растяжении (Break)	300	%	ASTM D638
Старение	**Номинальное значение**	**Единица измерения**	**Метод испытания**
Прочность на растяжение-1 неделя (150°C)	90	%	ASTM D638
Коэффициент удлинения-1 неделя (150°C)	95	%	ASTM D638
Тепловой	**Номинальное значение**	**Единица измерения**	**Метод испытания**
Температура ломкости	-40.0	°C	ASTM D746
Электрический	**Номинальное значение**	**Единица измерения**	**Метод испытания**
Сопротивление громкости			ASTM D991
23°C	6.0	ohms·cm	ASTM D991
90°C	20	ohms·cm	ASTM D991
130°C	15	ohms·cm	ASTM D991

Дополнительная информация

Nominal property values above represent tests on molded stress-relieved slabs. Cure times were 15 minutes at 175°C.Storage
The environment or conditions of storage greatly influences the recommended storage time. Storage should be in accordance with good manufacturing practices. If proper warehousing and storage temperatures [dry conditions, between 50°F and 86°F (10°C and 30°C) in temperature] are utilized, this product may be stored by the customer for up to one year. It is recommended that the practice of using the product on a first-in / first-out basis be established. Storage under extreme conditions may affect the quality, processing, or performance of the product.

Экструзия	**Номинальное значение**	**Единица измерения**
Температура сушки	60 - 70	°C

Время сушки	< 6.0	hr
Температура расплава	121 - 140	°C

Инструкции по экструзии

DOW ENDURANCE™ HFDB-0586 BK S provides excellent surface finish and outstanding output rates over a broad range of conditions. For optimum results, use melt extrusion temperatures in the suggested range of 250 to 285°F (121 to 140°C) to avoid pre-cure or scorch. Extruder barrel settings of 110°C (230°F) are suggested as a starting point while learning to process DOW ENDURANCE™ HFDB-0586 BK S. Specific machine settings will depend on the extruder design and must be established through conventional practices.Dehumidified air hopper drying at 140-160°F (60-70°C) for up to six hours may be employed to remove residual moisture prior to extrusion. Drying is not necessary for DOW ENDURANCE™ HFDB-0586 BK S due to the lower moisture absorption characteristics relative to conventional semiconductive products.

Свяжитесь с нами

Susheng Import & Export Trading Co.,Ltd.

Телефон: +86-021-58958519

Мобильный телефон: +86-13424755533

Email: sales@su-jiao.com

Адрес: Господин Чжао

Район Фэнсянь, Шанхай, Китай

WeChat