

Cable Compounds

Thermoplastic semi conductive outer shielding and jacketing compound

E6711 is a conductive thermoplastic compound intended as jacket or jacket screen

Specifications

E6711 meets the requirements as below, when optimal processing extrusion and end testing procedure are used:

- HD 620
- SS-EN 4241416
- IEC 60811

Typical physical properties:

Property	Test method	Unit	Typical Value
Density at 23°C	ASTM D1928	g/cm ³	1,02
Moisture	QAHC-10420, (Karl Fischer method)	PPM	< 100
Tensile strength	ASTM D638	MPa	> 20
Retention (10 days, at 110°C)		%	106
Elongation	ASTM D638	%	> 550
Retention (10 days, at 110°C)		%	99
Flexural Modulus	ISO 178	MPa	760
MFR at 230°C, 2,16 kg	ISO 1133	g/10 min	1
Hardness Shore D 3s	ISO 7619-2010	-	> 62
Elongation at low temperature	IEC60811-1-4	°C	< -25
Environmental stress crack, Resistance (50°C) (Igepal 10%), (FO)1	IEC60811-1-4/B	h	> 5000

Typical electrical properties:

Property	Test method	Unit	Typical Value
DC Volume Resistivity of Cable at 23°C	ASTM D257	Ohm cm	< 100
DC Volume Resistivity of Cable at 90°C	ASTM D257	Ohm cm	< 100

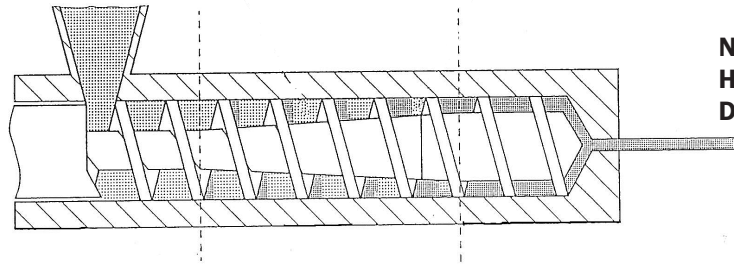
Processing conditions

E6711 does not require predrying. E6711 provides an excellent surface finish when processing conditions are optimised for the actual processing equipment.

Actual conditions will vary according to the equipment used, but as a guide we recommend following extrusion conditions:

Desiccant dryer: -

Hopper: -



Neck: 190-220°C

Head: 190-220°C

Die: 190-220°C

Screw cooling: -

Comments: -

Extruder

Hopper inlet: 140-160°C

Barrel: 160-210°C

Delivery

Form: Pellets

Package: 500 kg octabins with aluminium liner

Storage/Handling

The material is packed, secured and sealed fulfilling the stated properties above. The material shall be stored in sealed container and under dry and tempered conditions to obtain sustainable performance. Opened package should be carefully sealed before storage.

Safety

Safety data sheet is available upon request.

The data sheet should be considered as guidelines, not binding information.

Issue date 2016-02-18. We reserve the right to make changes without prior notification.

