

CABMER CF 4810

Product Information

1. Product Description

CABMER CF 4810 is a High density polyethylene compound for cellular chemical foamed telesingles. CABMER CF 4810 is for : Foam or foam-skin insulation for telephone singles with typical expansion of 30-40%. CABMER CF 4810 meets the following material classification: ISO 1872-PE, KEGHN, 45-D006 1 and ASTM D1248 Type III, Class A, Category 4 . The combination of CABMER CF 4810 is stabilized compound in order to retain maximum mechanical properties and resistance to heat deformation. It provides excellent processability and electrical/physical properties.

2. Physical Properties

Properties	Test Method	Value	Units
Physical			
Melt flow rate 190 °C, 2.16 kg	ISO 1133	1,0	g/10 min
Conventional density	ISO 1183 Method D	948	kg/m ³
Vicat softening temperature	ISO 306 Method A	115	°C
Tensile strength @ yield	ISO 527-2	15	MPa
Tensile strength @ break	ISO 527-2	24	Mpa
Elongation @ break	ISO 527-2	>600	%
ESCR (F _o ,50°C,10% Igepal)	ASTM D 1653	>800	Hour
Electrical			
Volume Resistivity	IEC 60093	1,00	e+6 ohm-cm
Dielectric Constant @1Hz	ASTM D 1531	2,32	-
Dissipation factor @1Hz	ASTM D 1531	100	μrad

3. Processing Data

The good processing characteristics of CABMER CF 4810 allow wide latitude of both equipment and process conditions. Normally the extruder barrel temperatures should be set to give a resulting melt temperature in the range of 140-210 °C. Processing above 240 °C should be avoid to prevent heat degradation.

5. Packaging :

CABMER CF 4810 is sold in pallet form and is available in the 25 kg bags and 500/600 kg bigbag.