CABMER PF 4575

Product Information

1. Product Description

CABMER PF 4575 is a High density polyethylene compound suitable for cellular insulation of communication and coexial cables produced by the gas injection process where high expansion rates (60-80%) are required. CABMER PF 4575 give uniform and closed cell structure in the foamed insulation.

The combination of CABMER PF 4575 is stabilized compound in order to retain maximum mechanical properties and resistance to heat deformation. It provides excellent processability and electrical/physical properties.

2. Specifications

ASTM D1248 Type III, Class A, Category 3, ISO 1872-PE, KGHN, 45-D045 (base resin)

3. Physical Properties

Properties	Test Method	Value	Units
Physical			
Melt flow rate 190 ®C, 2.16 kg	ISO 1133	8,0	g/10 min
Conventional density	ISO 1183 Method D	946	Kg/m³
Vicat softening temperature	ISO 306 Method A	115	°C
Shore hardness D	ISO 868	60	-
Tensile strength @ yield	ISO 527-2	15	MPa
Tensile strength @ break	ISO 527-2	24	Mpa
Elongation @ break	ISO 527-2	>500	%
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

4. Processing Data

The good processing characteristics of CABMER PF 4575 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 170-230 ®C. Processing above 260 °C should be avoid to prevent heat degradation.

5. Packaging :

CABMER PF 4575 is sold in pallet form and is available in the 25 kg bags and 500/600 kg bigbag.

CABMER® polymer solutions

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