

CABMER LL 2002-BL

Product Information

1. Product Description

CABMER LL 2002-BL is a black linear low density polyethylene compound mixture for jacketing. CABMER LL 2002-BL has broad molecular weight distribution. It provides. The combination of CABMER LL 2002-BL is stabilized compound in order to retain maximum mechanical properties, resistance to heat deformation, excellent processability, lower shrinkage, free of die drool, excellent environmental stress crack resistance (ESCR) and good physical properties.

CABMER LL 2002-BL contains 6,5% well-dispersed special carbon black masterbatch. Therefore; the final compound mixture contains 2.5% of high-dispersed carbon black.

2. Specifications

ASTM D1248 Type I, Class C, Category 4, Grade E4, E5, J3, W2, W3, W4
BS 6234: Type H03C, TS2 - IEC 60502, ST3, ST7 - IEC 60840, ST3, ST7

3. Physical Properties

Properties	Test Method	Value	Units
Physical			
Melt flow rate 190 °C, 2.16 kg	ISO 1133	0,5	g/10 min
Conventional density	ISO 1183 Method D	923	Kg/m ³
Vicat softening temperature	ISO 306 Method A	105	°C
Shore hardness D	ISO 868	53	-
Tensile strength @ yield	ISO 527-2	18	MPa
Tensile strength @ break	ISO 527-2	46	Mpa
Elongation @ break	ISO 527-2	>750	%
ESCR (F50)	ASTM D 1653	>5000	Hour
Electrical			
Volume Resistivity	IEC 60093	1,00	e+6 ohm-cm
Dielectric Constant @1Hz	ASTM D 1531	2,28	-
Dissipation factor @1Hz	ASTM D 1531	100	μrad

4. Processing Data

The good processing characteristics of CABMER LL 2002-BL 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 200 -220 °C. Processing above 250 °C should be avoid to prevent heat degradation.

5. Packaging :

CABMER LL 2002-BL 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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