

CABMER M 3010-NL

Product Information

1. Product Description

CABMER M 3010-NL is a Medium density polyethylene compound for solid insulation and jacketing. CABMER M 3010-NL has broad molecular weight distribution. It provides. The combination of CABMER M 3010-NL 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.

we recommend the use of non-warping colour masterbatches.

2. Specifications

ASTM D 1248 Type II, Class A, Category 4, Grade E8, E9, J4 and ISO 1872-PE, KHLN, 33 D-006

3. Physical Properties

Properties	Test Method	Value	Units
Physical			
Melt flow rate 190 °C, 2.16 kg	ISO 1133	0,8	g/10 min
Conventional density	ISO 1183 Method D	930	Kg/m ³
Vicat softening temperature	ISO 306 Method A	110	°C
Shore hardness D	ISO 868	53	-
Tensile strength @ yield	ISO 527-2	20	MPa
Tensile strength @ break	ISO 527-2	56	Mpa
Elongation @ break	ISO 527-2	>700	%
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 M 3010-NL 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 M 3010-NL is sold in pallet form and is available in the 25 kg bags or 1000 kg bigbags.