

CABMER CFP 0580NL

Product Information

1. Product Description

CABMER CFP 0580-NL is a cellular polypropylene copolymer based compound for cable insulation. CABMER CFP 0580-NL is fully stabilized for thermal ageing and copper contact. CABMER CFP 0580-NL provides an excellent surface quality and a uniform cell structure with good electrical and mechanical properties.

2. Physical Properties

Properties	Test Method	Value	Units
Physical			
Melt flow rate 190 °C, 2.16 kg	ISO 1133	5	g/10 min
Conventional density	ISO 1183 Method D	904	Kg/m ³
Vicat softening temperature	ISO 306 Method A	151	°C
Shore hardness D	ISO 868	65	-
Tensile strength @ yield	ISO 527-2	20	MPa
Tensile strength @ break	ISO 527-2	32	Mpa
Elongation @ break	ISO 527-2	>600	%
ESCR (F50)	ASTM D 1653	>1000	Hour
Electrical			
Volume Resistivity	IEC 60093	1,00	e+6 ohm-cm
Dielectric Constant @1Hz	ASTM D 1531	2,20	-
Dissipation factor @1Hz	ASTM D 1531	100	μrad

3. Processing Data

The good processing characteristics of CABMER CFP 0580-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 180 - 220 °C. Processing above 260 °C should be avoid to prevent heat degradation.

4. Packaging :

CABMER CFP 0580-NL is sold in pallet form and is available in the 25 kg bags or 1000 kg octabins.

CABMER® polymer solutions

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