

Item Description

Item ID

PRE-ELEC[®] CP 1319
CP1319

EVA Extrusion compound
Electrically conductive
Good stretchability

Typical end product
Applications

Blown film
Layflat tubing
Foam

PRE-ELEC[®] CP 1319 is a soft conductive thermoplastic compound based on EVA. Conductivity is achieved by using special conductive carbon black. In addition to a low electrical resistivity PRE-ELEC[®] CP 1319 has excellent mechanical properties and is easy to extrude.

Special properties	Unit	Value	Method
Volume resistivity(*)	Ω.cm	85	PRE021
Surface resistance(*)	Ω	3E+03	IEC 61340-2-3
General properties	Unit	Value	Method
Specific gravity	g/cm ³	1,02	ISO 1183
Melt flow rate at 190°C	g/10 min		ISO 1133
5.0 kg		1	
10.0 kg		5,5	
Mechanical properties	Unit	Value	Method
Tensile strength(*)	MPa	19	ISO 527
Yield strength(*)	MPa	13	ISO 527
Tensile strain at break(*)	%	>600	ISO 527
Tensile strain at yield(*)	%	70	ISO 527

MFR is measured from granulates

Test specimen: injection moulded rod; Thickness: 10 mm, width: 4 mm

*) extruded tape; Thickness 600-800 µm

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Processing instructions

	Unit	Processing range		
Extrusion				
Cylinder temperature profile	°C	0	-	0
Die temperature profile	°C	0	-	0
Tool/Roll temperature	°C	0	-	0

Notes

Drying of the product is recommended for 0 hours at 0°C prior to use.

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Storage

Product-specific details are mentioned in the notes above. The general minimum shelf life for Premix's product is 3 years with the following conditions: 1) original package is unopened, 2) the storage area and conditions provide protection from direct sunlight and significant changes in storage temperature, 3) the product is pre-dried accordingly before use.

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