

PRE-ELEC[®] PP 16156

PP extrusion compound
High electrical conductivity

Applications: Cast film

PRE-ELEC[®] PP 16156 is a very conductive thermoplastic compound based on polypropylene. The conductivity is achieved by using special conductive carbon black. In addition to a low electrical resistivity, it has excellent processability in cast film extrusion.

Special properties	Unit	Value	Method
Volume resistivity(*)	Ω.cm	3	PRE021

General properties	Unit	Value	Method
Specific gravity	g/cm ³	1.03	ISO 1183
Melt flow rate at 230°C	g/10 min		ISO 1133
2.16 kg		1	
5.0 kg		15	

Mechanical properties	Unit	Value	Method
Tensile strength (*)	MPa	35	ISO 527
Tensile strain at break (*)	%	4	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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This product is REACH and RoHS compliant

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Processing instructions

		Unit	Processing range	
Extrusion	Cylinder temperature profile	°C	190	- 220
	Die temperature profile	°C	210	- 230
	Tool/Roll temperature	°C	90	- 60

Notes

Drying of the product is recommended for 2 hours at 80-90°C prior to use.

Processing conditions as with filled PP. These parameters are for guidance only. The process parameters should always be optimized for the used equipment. The instructions of the equipment manufacturer should be followed. Caution should be taken when handling molten material as it is extremely hot and may cause severe burns.

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