

Electrafil® PP-61/EC

Polypropylene Copolymer
Techmer Engineered Solutions

Message:

Electrafil® PP-61/EC is a polypropylene copolymer (PP Copoly) product. It can be processed by injection molding and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

Features include:

- ROHS certification
- Conductivity
- Copolymer
- carbon black

General Information			
Additive	Carbon black		
Features	Conductivity		
	Copolymer		
	Antistatic property		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.998	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.8	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	22.8	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	15	%	ASTM D638
Flexural Modulus (23°C)	1000	MPa	ASTM D790
Flexural Strength (23°C)	31.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	430	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	48.9	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.5E+3	ohms	ASTM D257
Additional Information			
Surface Resistivity, ASTM D4496: 1E3-1E4 ohms			
Injection	Nominal Value	Unit	
Drying Temperature	65.6	°C	
Drying Time	2.0	hr	
Rear Temperature	216 - 227	°C	

Middle Temperature	227 - 238	°C
Front Temperature	221 - 232	°C
Nozzle Temperature	221 - 232	°C
Processing (Melt) Temp	221 - 232	°C
Mold Temperature	26.7 - 65.6	°C
Injection Rate	Moderate	
Back Pressure	0.345	MPa

Injection instructions

Screw Speed: Medium
Recommendations for Molding and Tool Conditions: Well vented mold
Mold Temperature will have a substantial effect on surface resistivity of a molded part
Moisture Content, as received: Product is packaged at 0.2% or less.

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