# Electrafil® PP-61/EC/P BK

## Techmer Polymer Modifiers - *Polypropylene*

| General | | |
|---|---|---|
| Material Status | • Commercial: Active | |
| Availability | • North America | |
| Additive | • Heat Stabilizer | |
| Features | • Conductive | • Heat Stabilized |
| Appearance | • Black | |
| Processing Method | • Injection Molding | |

## Properties [1]

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density / Specific Gravity | 1.03 | | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 1.7 | g/10 min | ASTM D1238 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Modulus | 210000 | psi | ASTM D638 |
| Tensile Strength (Yield) | 3400 | psi | ASTM D638 |
| Tensile Strength (Break) | 3200 | psi | ASTM D638 |
| Tensile Elongation (Break) | 10 | % | ASTM D638 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Notched Izod Impact (0.125 in) | 11 | ft·lb/in | ASTM D256 |
| **Electrical** | **Nominal Value** | **Unit** | **Test Method** |
| Surface Resistivity | < 1.0E+4 | ohms | ASTM D257 |

## Processing Information

| Injection | Nominal Value | Unit |
|---|---|---|
| Drying Temperature | 150 | °F |
| Drying Time | 1.0 to 2.0 | hr |
| Rear Temperature | 440 to 470 | °F |
| Middle Temperature | 450 to 480 | °F |
| Front Temperature | 460 to 490 | °F |
| Nozzle Temperature | 460 to 500 | °F |
| Processing (Melt) Temp | 440 to 500 | °F |
| Mold Temperature | 50 to 150 | °F |
| Injection Rate | Slow | |
| Back Pressure | 0.00 to 50.0 | psi |
| Screw Speed | Slow | |