

Electrafil® PP-61/EC BK

Techmer Polymer Modifiers - *Polypropylene*

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Heat Stabilizer
Features	• Conductive • Heat Stabilized
Appearance	• Black

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.02		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.80	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	

