

**Electrafil® 02020 MB**

 Techmer Polymer Modifiers - *Polypropylene*
**General Information**
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Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Filler • Glass Fiber, 5.0% Filler by Weight
Features	• Conductive
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	8.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3100	psi	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	240000	psi	ASTM D790
Flexural Strength	4200	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	4.0	ft·lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	No Break		ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	200	°F	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+6	ohms	ASTM D257
Volume Resistivity	< 1.0E+3	ohms·cm	ASTM D257
Static Decay	< 2.0	sec	MIL B-81705C
Additional Information	Nominal Value	Unit	Test Method
TPCI #	9117116		

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.
