Electrafil® 02056

Techmer Polymer Modifiers - *Polypropylene*

General Information

General	
Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Filler
Features	• Conductive
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.930		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	7.0	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.014	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	3100	psi	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	140000	psi	ASTM D790
Flexural Strength	3900	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F, 0.125 in)	No Break		ASTM D256
Unnotched Izod Impact (0.125 in)	No Break		ASTM D4812
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	85		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (264 psi, Unannealed)	120	°F	ASTM D648
CLTE - Flow	4.6E-5	in/in/°F	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+8 to 1.0E+12	ohms	ASTM D257
Volume Resistivity	1.0E+8 to 1.0E+12	ohms·cm	ASTM D257
Additional Information	**Nominal Value**	**Unit**	**Test Method**
TPCI #	9111116		

Notes

[1] Typical properties: these are not to be construed as specifications.