

Electrafil® TPV 64A 12005

 Techmer Polymer Modifiers - *Thermoplastic Vulcanizate*
General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Features	<ul style="list-style-type: none"> Conductive
Appearance	<ul style="list-style-type: none"> Black
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.01		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	1100	psi	ASTM D638
Tensile Strength (Break)	1000	psi	ASTM D638
Tensile Elongation (Break)	180	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	3.0	ft·lb/in	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+5	ohms	ASTM D257

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	150	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	360 to 390	°F
Middle Temperature	370 to 400	°F
Front Temperature	380 to 410	°F
Nozzle Temperature	390 to 420	°F
Processing (Melt) Temp	380 to 430	°F
Mold Temperature	50 to 125	°F
Injection Rate	Moderate-Fast	
Back Pressure	50.0 to 100	psi
Screw Speed	Moderate	

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