

**HiFill® CIRCULARITY TPC E900**

 Techmer Polymer Modifiers - *Thermoplastic Copolyester Elastomer*
**General Information**
**Product Description**

PTM116820

**General**

Material Status	<ul style="list-style-type: none"> <li>Commercial: Active</li> </ul>
Availability	<ul style="list-style-type: none"> <li>North America</li> </ul>
Forms	<ul style="list-style-type: none"> <li>Pellets</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.03 to 1.13		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40 to 80	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	> 435	psi	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	> 1.0	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness	80		ASTM D2240
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+14	ohms·cm	ASTM D257

**Processing Information**

Injection	Nominal Value	Unit
Drying Temperature	248	°F
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.050	%
Rear Temperature	440 to 460	°F
Middle Temperature	440 to 480	°F
Front Temperature	440 to 480	°F
Nozzle Temperature	450 to 490	°F
Processing (Melt) Temp	450 to 490	°F
Mold Temperature	460	°F
Back Pressure <sup>2</sup>	0.00 to 50.0	psi

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

<sup>2</sup> Minimize to maintain fiber integrity
