

HiFill® CIRCULARITY TPC E931

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

PTM116819

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.07 to 1.17		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 ²	0.00 to 50.0	psi

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

² Minimize to maintain fiber integrity
