

## HiFill® TPX-IONOMER-02055 BK

Techmer Polymer Modifiers - Ionomer

### General

Material Status	• Commercial: Active
Availability	• North America
Appearance	• Black
Processing Method	• Injection Molding

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.37		ASTM D792
Density	1.37	g/cm <sup>3</sup>	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.28E+6	psi	ASTM D638
Tensile Strength (Yield)	16400	psi	ASTM D638
Tensile Strength (Break)	16300	psi	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	1.20E+6	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	2.2	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	380	°F	ASTM D648

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	500 to 580	°F
Middle Temperature	500 to 580	°F
Front Temperature	500 to 580	°F
Nozzle Temperature	500 to 580	°F
Processing (Melt) Temp	460 to 535	°F
Mold Temperature	160 to 180	°F
Injection Rate	Moderate-Fast	
Back Pressure	0.00 to 50.0	psi

