

HiFill FR® PP FR 1120 BK001

 Techmer Polymer Modifiers - *Polypropylene*
General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Additive	<ul style="list-style-type: none"> Flame Retardant
Features	<ul style="list-style-type: none"> Flame Retardant
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	0.980		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	250000	psi	ASTM D638
Tensile Strength (Yield)	5500	psi	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	1.0	ft·lb/in	ASTM D256
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	V-0		
0.12 in	V-0		

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Rear Temperature	440 to 480	°F
Middle Temperature	450 to 500	°F
Front Temperature	460 to 500	°F
Nozzle Temperature	450 to 490	°F
Processing (Melt) Temp	475 to 535	°F
Mold Temperature	45 to 65	°F
Injection Rate	Slow	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Slow	

Notes

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

