

HiFill® LDPE FR 1008 BK

Techmer Polymer Modifiers - *Low Density Polyethylene*

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Flame Retardant
Features	• Flame Retardant
Appearance	• Black
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.10		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	40000	psi	ASTM D638
Tensile Strength (Yield)	1400	psi	ASTM D638
Tensile Elongation (Break)	55	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	7.0	ft-lb/in	ASTM D256
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-0		UL 94

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	150	°F
Drying Time	1.0 to 2.0	hr
Rear Temperature	350 to 380	°F
Middle Temperature	355 to 385	°F
Front Temperature	360 to 390	°F
Nozzle Temperature	360 to 390	°F
Processing (Melt) Temp	340 to 390	°F
Mold Temperature	80 to 120	°F
Injection Rate	Slow-Moderate	
Back Pressure	50.0 to 100	psi
Screw Speed	Moderate	

Notes

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

