

HiFill FR® LDPE 0110 FR-NR 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	1.14		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	65000	psi	ASTM D638
Tensile Strength (Yield)	1400	psi	ASTM D638
Tensile Strength (Break)	1300	psi	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	3.5	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	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	365 to 395	°F
Processing (Melt) Temp	355 to 400	°F
Mold Temperature	75 to 125	°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.

