

**HiFill FR® LDPE 0110 FR-N BK**

Techmer Polymer Modifiers - High Density Polyethylene

**General**

Material Status	• Commercial: Active
Availability	• North America
Features	• Flame Retardant
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

**ASTM & ISO Properties <sup>1</sup>**

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density / Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.020	%	ASTM D570
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Strength	1500	psi	ASTM D638
Tensile Strength (Yield)	29000	psi	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Flexural Modulus	700	psi	ASTM D790
Flexural Strength	2800	psi	ASTM D790
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Notched Izod Impact (73°F, 0.125 in)	1.0	ft·lb/in	ASTM D256
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flame Rating			UL 94
0.030 in		V-2	
0.06 in		V-0	

