

HiFill FR® HDPE 8904 FR UV GY

Techmer Polymer Modifiers - *High Density Polyethylene*

General Information

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.20		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.5	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2900	psi	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Flexural Modulus	150000	psi	ASTM D790
Flexural Strength	4100	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	1.0	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	162	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	140	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-0		UL 94

Notes

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

