

**HiFill® PA6 L UV**

 Techmer Polymer Modifiers - *Polyamide 6*
**General Information**
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Material Status	• Commercial: Active
Availability	• North America
Additive	• Lubricant                      • UV Stabilizer
Features	• Lubricated                      • UV Resistant
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

**Properties <sup>1</sup>**

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.13		ASTM D792
Molding Shrinkage - Flow	0.016	in/in	ASTM D955
Water Absorption (24 hr)	2.8	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength (Yield)	13100	psi	ASTM D638
Tensile Elongation (Break)	70	%	ASTM D638
Flexural Modulus	410000	psi	ASTM D790
Flexural Strength	16700	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (0.125 in)	0.85	ft·lb/in	ASTM D256
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	119		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (66 psi, Unannealed)	352	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	170	°F	ASTM D648
CLTE - Flow	4.6E-5	in/in/°F	ASTM D696
<b>Electrical</b>			
Volume Resistivity	1.0E+13	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	460	V/mil	ASTM D149

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.
