

**HiFill® TPX-PAA-05003 FR-NR**

 Techmer Polymer Modifiers - *Polyamide 66*
**General Information**
**Product Description**

Partially Aromatic Nylon

**General**

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 50% Filler by Weight
Additive	• Flame Retardant
Features	• Halogen Free      • Heat Stabilized      • Lubricated

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.70		ASTM D792
Molding Shrinkage - Flow (0.125 in)	2.0E-3	in/in	ASTM D955
Molding Shrinkage - Across Flow	4.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.29	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength	30300	psi	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	2.70E+6	psi	ASTM D790
Flexural Strength	53000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F, 0.125 in)	2.2	ft·lb/in	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	450	°F	ASTM D648
CLTE - Flow	1.9E-5	in/in/°F	ASTM D696
<b>Electrical</b>			
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	480	V/mil	ASTM D149
<b>Flammability</b>			
Flame Rating (0.06 in)	V-0		UL 94

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