Wednesday, May 13, 2026

HiFill® PEEK GF30 HT011A

Techmer Polymer Modifiers - *Polyetheretherketone*

Units SI

Action **Legend (Open)**

General Information

General			
Material Status	• Commercial: Active		
Availability	• North America		
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Features	• High Dimensional Stability		
Uses	• Seals		
Appearance	• Colors Available	• Colors Available	• Natural Color
Processing Method	• Injection Molding		

Properties [1]

Physical	**Nominal Value**	**Unit**	**Test Method**
Density / Specific Gravity [2]	1.50	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40	%	ASTM D955
Water Absorption (24 hr)	0.12	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ASTM D638
--	10900	MPa	
-- [3]	12200	MPa	
Tensile Strength			ASTM D638
Break	157	MPa	
Break [3]	178	MPa	
Tensile Elongation [3] (Break)	• 3.0 • 3.9	%	ASTM D638
Flexural Modulus	8270	MPa	ASTM D790
Flexural Strength	217	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-- [3]	99	J/m	
23°C, 3.18 mm	93	J/m	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	115		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	316	°C	ASTM D648
Melting Temperature	342	°C	
CLTE - Flow	2.2E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	23	kV/mm	ASTM D149
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.5 mm)	V-0		UL 94

Notes

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

[2] Annealed

[3] Annealed Data 200C, 4 Hours

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