Wednesday, May 13, 2026

HiFill® PVDF NAT 2201

Techmer Polymer Modifiers - *Polyvinylidene Fluoride*

Units SI

Action **Legend (Open)**

General Information

General	
Material Status	• Commercial: Active
Availability	• North America
Appearance	• Natural Color
Processing Method	• Injection Molding

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.78	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	23	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.050	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	40.0	MPa	ASTM D638
Tensile Strength (Break)	25.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	66	°C
Drying Time	2.0 to 3.0	hr
Rear Temperature	188 to 210	°C
Middle Temperature	193 to 216	°C
Front Temperature	199 to 221	°C
Nozzle Temperature	202 to 224	°C
Processing (Melt) Temp	193 to 224	°C
Mold Temperature	38 to 93	°C
Injection Rate	Slow	
Back Pressure	0.00 to 0.345	MPa
Screw Speed	Slow-Moderate	

Notes

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

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