HiFill® PVDF NAT 2201

Techmer Polymer Modifiers - *Polyvinylidene Fluoride*

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		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)	5800	psi	ASTM D638
Tensile Strength (Break)	3630	psi	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	150	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	370 to 410	°F
Middle Temperature	380 to 420	°F
Front Temperature	390 to 430	°F
Nozzle Temperature	395 to 435	°F
Processing (Melt) Temp	380 to 435	°F
Mold Temperature	100 to 200	°F
Injection Rate	Slow	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Slow-Moderate	

Notes

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