HiFill® PP CO 2000

Techmer Polymer Modifiers - *Polypropylene Copolymer*

General Information

General	
Material Status	• Commercial: Active
Availability	• North America
Features	• Copolymer
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.900		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.017	in/in	ASTM D955
Water Absorption (24 hr)	0.050	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	3500	psi	ASTM D638
Tensile Elongation (Break)	9.0	%	ASTM D638
Flexural Modulus	155000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F, 0.125 in)	2.0	ft·lb/in	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	105		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	180	°F	ASTM D648
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	170	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	400 to 450	°F
Middle Temperature	400 to 450	°F
Front Temperature	460 to 500	°F
Processing (Melt) Temp	430	°F
Mold Temperature	80 to 120	°F
Back Pressure	50.0 to 100	psi
Screw Speed	30 to 60	rpm