



GRAND PACIFIC PETOCEMICAL CORPORATION

TYPICAL PROPERTIES OF GPPC'S PA66-N200ST RESIN

VERSION : 1.0

Items	Test Methods	Test Conditions	Units	N200ST
				DAM
Physical				
Specific Gravity	ISO1183	23°C	g/cm ³	1.07
Molding shrinkage				
2mm - Normal			%	1.4
2mm - Parallel	ISO294-4		%	1.8
Mechanical				
Tensile Strength at Yield	ISO527	23°C	MPa	47
Normal Strain at break	ISO527	23°C	%	25
Flexural Strength at Yield	ISO178	23°C	MPa	68
Flexural Modulus	ISO178	23°C	MPa	1500
Notched Charpy Impact Strength	ISO179	23°C -30°C	KJ/m ² KJ/m ²	80
Unnotched Charpy Impact Strength	ISO179	23°C -30°C	KJ/m ² KJ/m ²	NB NB
Rockwell Hardness	ISO2039/2	23°C	R scale	104
Thermal				
Heat Deflection Temperature	ISO75	1.80Mpa	°C	65
Melting Temperature	ISO11357	DSC	°C	260
UL Flame class rating	UL-94			
Electrical				
Volume resistivity 2.0mm	IEC60093		ohm	
Surface resistivity	IEC60093		Ohm*m	
Dielectric Strength 1.0mm	IEC60243		Kv/mm	
CTI 3.0mm	IEC60112		Volts	
Processing				
Melt Temperature Range			°C	280~300
Mold Temperature			°C	50~90
Drying Time			h	4~6
Drying Temperature			°C	80
Processing moisture content			%	<0.2

These property values are believed to be specific test conditions and are not intended to serve as product spec.

For more detailed information, please contact your GPPC Sales Representatives.