GRAND PACIFIC PETOCHEMICAL CORPORATION

TYPICAL PROPERTIES OF GPPC'S PA66-N200HF RESIN

VERSION : 1.0

Items	Test Methods	Test Conditions	Units	N200HF
				DAM
Physical				
Specific Gravity	ISO1183	23℃	g/cm^3	1.14
Molding shrinkage				
2mm - Normal	ISO294-4		%	1.4
2mm - Parallel			%	1.4
Mechanical				
Tensile Strength at Yield	ISO527	23℃	MPa	83
Tensile Modulus	ISO527	23℃	MPa	3000
Normal Strain at break	ISO527	23℃	%	25
Flexural Strength at Yield	ISO178	23℃	MPa	95
Flexural Modulus	ISO178	23℃	MPa	2700
Notched Charpy Impact Strength	ISO179	23℃ -30℃	KJ/m^2 KJ/m^2	5.5 4
Unnotched Charpy Impact Strength	ISO179	23℃ -30℃	KJ/m^2 KJ/m^2	NB NB
Rockwell Hardness	ISO2039/2	23℃	R scale	118
Thermal				
Heat Deflection Temperature	ISO75	0.45Mpa 1.80Mpa	℃(°F) ℃(°F)	200 (392) 70 (158)
Melting Temperture	ISO11357	DSC	℃	260
UL UL Flame class rating	UL-94			V2
Electrical				
Volume resistivity 2.0mm	IEC60093		ohm	1.00E+12
Surface resistivity	IEC60093		Ohm*m	1.00E+12
Dielectric Strength 1.0mm	IEC60243		Kv/mm	33
CTI 3.0mm	IEC60112		Volts	>600
Processing				
Melt Temperature Range			℃	280~300
Mold Temperature			℃	50~90
Drying Time			h	4~6
Drying Temperature			℃	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.