

PP

HP500N

Product information

Part Marking Code	PP
Material Shape	Pellets
FR	HB
Material Attribute	Food contact
Specification	UL
Features	High flow / High stiffness
Application	General purpose
UL File NO.	E31765

UL	Condition	Standard	Value	Unit
HAI	All Color 1.5mm	UL 746A	0	PLC
HAI	All Color 3.0mm	UL 746A	0	PLC
HAI	All Color 6.0mm	UL 746A	0	PLC
HWI	All Color 1.5mm	UL 746A	4	PLC
HWI	All Color 3.0mm	UL 746A	2	PLC
HWI	All Color 6.0mm	UL 746A	2	PLC
RTI	Elec All Color 1.5mm	UL 746B	65	°C
RTI	Elec All Color 3.0mm	UL 746B	65	°C
RTI	Elec All Color 6.0mm	UL 746B	65	°C
RTI	Imp All Color 1.5mm	UL 746B	65	°C
RTI	Imp All Color 3.0mm	UL 746B	65	°C
RTI	Imp All Color 6.0mm	UL 746B	65	°C
RTI	Str All Color 1.5mm	UL 746B	65	°C
RTI	Str All Color 3.0mm	UL 746B	65	°C
RTI	Str All Color 6.0mm	UL 746B	65	°C
Dimensional Stability		UL746	0.0	%
Flame Rating	All Color 1.5mm	UL94	HB	
Flame Rating	All Color 3.0mm	UL94	HB	
Flame Rating	All Color 6.0mm	UL94	HB	
Dielectric Strength		ASTM D149	1	KV/mm
Volume Resistivity		ASTM D257	1E16	Ω.cm
Mechanical behavior	Condition	Standard	Value	Unit
Charpy Notch Impact	23°C 1eA型	ISO 179	4	kJ/m ²
Tensile Modulus		ISO 527	1400	MPa
Tensile Strength	Yield	ISO 527	35	MPa
Elongation	Yield	ISO 527	10	%
Elongation	Break	ISO 527	50	%

Thermal	Condition	Standard	Value	Unit
HDT	Unannealed 0.45MPa	ISO 75	95	°C
Vicat Softening Temperature	50°C/hr 10N	ISO 306	153	°C
Vicat Softening Temperature	50°C/hr 50N	ISO 306	85	°C
Physical property	Condition	Standard	Value	Unit
Density		ISO 1183	0.90	g/cm ³
Melt Index	230°C 2.16kg	ISO 1133	12	g/10min
Flammability	Condition	Standard	Value	Unit
Flame Rating	1.5mm	UL94	HB	
Flame Rating	All Color 3.0mm	UL94	HB	
Flame Rating	All Color 6.0mm	UL94	HB	