

PRODUCT DATA SHEET

PSP-1001S

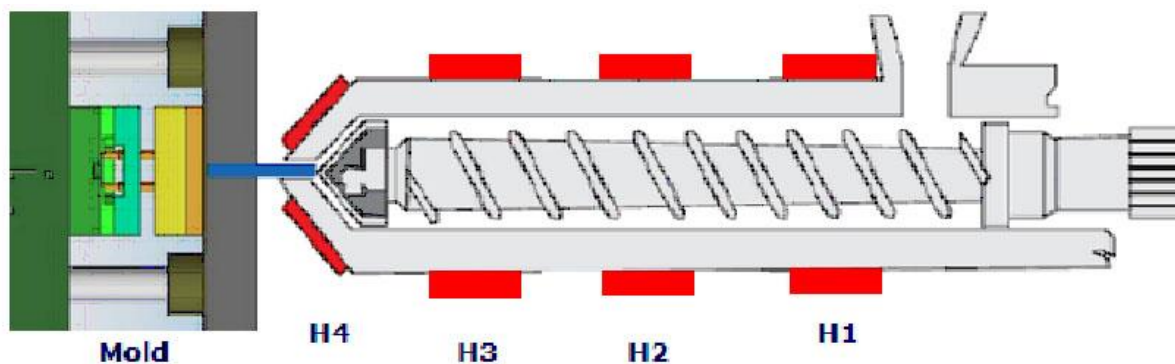
■ Description : Non-halogen Flame retardant PS+PPE

■ Application : Electrical and Electronics Housing

General properties	Typical value	Unit	Test method
Specific Gravity	1.14	g/cm^3	ASTM D 792
Melt flow rate ,@250°C, 5kgf	60	g/10min	ASTM D 1238
Mold Shrinkage	0.3 ~ 0.6	% (3~6/1,000)	Polylex method
Mechanical properties			
Izod impact strength, 1/8"notched @+23°C	8	kgf.cm/cm	ASTM D 256
Tensile stress, @ yield, 50 mm/min	340	kgf /cm ²	ASTM D 638
Tensile strain, @ break, 50 mm/min	30	%	ASTM D 638
Thermal properties			
Deflection temperature @ 18.56kgf/cm ² ,6.4mm	72	°C	ASTM D 1525
Flammability			
UL-94 method	1.6	mm	V-0
	3.2	mm	V-0

* The above values are for the representatives

PROCESSING GUIDE of PSP-1001S



Parameter Injection Molding		Value	Unit
Drying Temperature		°C	60 ~ 80
Drying Time		Hr	3 ~ 4
Maximum moisture content		%	0.02
Melt Temperature		°C	230 ~ 250
Cylinder Temperature	H4	°C	230 ~ 240
	H3	°C	230 ~ 240
	H2	°C	220 ~ 230
	H1	°C	220 ~ 230
Mold Temperature		°C	40 ~ 80
Back Pressure		MPa	0.3 ~ 0.7
Screw rotating speed		rpm	40 ~ 80