

**GPPS 25SP(E)**

PS

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	3	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	2884	MPa	ASTM D 638
Tensile Strength at Yield	52	MPa	ASTM D 638
Elongation at Break	4	%	ASTM D 638
Flexural Modulus	3267	MPa	ASTM D 790
Flexural Strength	98.1	MPa	ASTM D 790
Rockwell Hardness	R 121	-	ASTM D 785
Izod Impact notched, 1/4 in	9.8	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	9.8	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 66 psi	95	°C	ASTM D 648
DTUL @ 264 psi	88	°C	ASTM D 648
Vicat Temperature	96	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	1050	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.01	%	-
Melt temperature	190 - 220	°C	-
Mold temperature	40 - 70	°C	-
Zone 1	170 - 190	°C	-
Zone 2	180 - 200	°C	-
Zone 3	190 - 210	°C	-
Nozzle temperature	190 - 220	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	30 - 60	MPa	-

**Characteristics****Processing**

Injection Molding, Coating

**Special Characteristics**

Heat stabilized or stable to heat, Transparent

**Certifications**

Food contact

**Applications**

Electrical and Electronical, Packaging

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America