

**LONGLITE® PPS S1112-200**

 Chang Chun Plastics Co., Ltd. (CCP Group) - *Polyphenylene Sulfide*
**General Information**
**Product Description**

PPS S1112-200 is a 40% glass fiber/mineral reinforced and flame-retardant injection-molding grade PPS.

**General**

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber/Mineral, 40% Filler by Weight
Additive	• Flame Retardant • Mold Release
Features	• Flame Retardant
Forms	• Pellets
Processing Method	• Injection Molding

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density	1.64	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.50 to 0.80	%	
Flow	0.10 to 0.30	%	
Water Absorption (Equilibrium, 73°F, 50% RH)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	26800	psi	ISO 527-2
Tensile Strain (Break)	1.4	%	ISO 527-2
Flexural Modulus	1.89E+6	psi	ISO 178
Flexural Stress	37700	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	5.2	ft·lb/in <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	500	°F	ISO 75-2/A
Melting Temperature <sup>2</sup>	545	°F	ISO 11357-3
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		Internal Method

**Processing Information**

Injection	Nominal Value	Unit
Drying Temperature	248 to 284	°F
Drying Time	3.0 to 5.0	hr
Suggested Max Moisture	0.040	%
Processing (Melt) Temp	572 to 608	°F
Mold Temperature	266 to 302	°F

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 10°C/min
