

Infino XP-2140

Polyphenylene Sulfide

SAMSUNG SDI CO., LTD.

Message:

Infino XP-2140 is a Polyphenylene Sulfide (PPS) product filled with glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: flame rated.

General Information			
UL YellowCard	E115797-219745		
Filler / Reinforcement	Glass Fiber		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.66	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (316°C/5.0 kg)	110	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage - Flow (3.20 mm)	0.25 to 1.0	%	ASTM D955, ISO 2577
Water Absorption			
23°C, 24 hr	0.020	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.020	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	14200	MPa	ISO 527-2/50
Tensile Strength			
Yield ¹	150	MPa	ASTM D638
Yield	150	MPa	ISO 527-2/50
Break	142	MPa	ISO 527-2/50
Tensile Elongation			
Break ²	2.2	%	ASTM D638
Break	2.2	%	ISO 527-2/50
Flexural Modulus			
-- ³	13000	MPa	ASTM D790
-- ⁴	13000	MPa	ISO 178
Flexural Strength			
-- ⁵	250	MPa	ASTM D790
-- ⁶	250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C, 3.18 mm	98	J/m	ASTM D256
23°C, 6.35 mm	72	J/m	ASTM D256
23°C ⁷	10	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			
0.45 MPa, Unannealed, 6.40 mm	284	°C	ASTM D648
0.45 MPa, Unannealed, 4.00 mm	287	°C	ISO 75-2/B
1.8 MPa, Unannealed, 6.40 mm	275	°C	ASTM D648
1.8 MPa, Unannealed, 4.00 mm	275	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity ⁸ (23°C)	1.0E+17	ohms·cm	ASTM D257
Dielectric Constant (10 MHz)	4.00		ASTM D150
Dissipation Factor (10 MHz)	2.0E-3		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.750 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature			
--	120	°C	
Desiccant Dryer	120	°C	
Drying Time			
--	4.0 to 6.0	hr	
Desiccant Dryer	2.0 to 4.0	hr	
Suggested Max Moisture	< 0.050	%	
Rear Temperature	280 to 290	°C	
Middle Temperature	290 to 300	°C	
Front Temperature	310 to 320	°C	
Nozzle Temperature	320	°C	
Mold Temperature	120 to 150	°C	
Injection Pressure	49.0 to 127	MPa	
Back Pressure	0.490 to 1.96	MPa	
Screw Speed	50 to 150	rpm	
NOTE			
1.	5.0 mm/min		
2.	5.0 mm/min		
3.	2.8 mm/min		
4.	2.0 mm/min		
5.	2.8 mm/min		
6.	2.0 mm/min		
7.	Thickness: 4 mm		
8.	50% RH		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

