# Nylene® 4114-14 GL HS

## Polyamide 66

### **Custom Resins Group**

#### Message:

Nylene ® 4114-14 GL HS is a Polyamide 66 (Nylon 66) material filled with 14% glass fiber. It is available in North America for extrusion or injection molding. Important attributes of Nylene ® 4114-14 GL HS are: Heat Resistant Good Stiffness Heat Stabilizer High Strength Impact Modified Typical application of Nylene ® 4114-14 GL HS: Automotive

Filler / Reinforcement   Glass Fiber, 14% Filler by Weight     Additive   Heat Stabilizer Impact Modifier     Features   Good Stiffness     Good Thermal Stability   Heat Stabilized     High Heat Resistance   High Impact Resistance     High Impact Resistance   High Strength     Impact Modified   High Strength     Impact Modified   High Impact Resistance     Forms   Pellets     Forms   Pellets     Forms   Neminal Value     Unit   Test Modified     Strusion   Jacom Modified     Forms   Neminal Value   Unit     Neminal Value   Jord <sup>1</sup> ASIM D92     Moding Strinkage - Flow   1.19   gord <sup>1</sup> ASIM D92     Moding Strinkage - Flow   0.60   %   ASIM D63     Molding Strinkage - Flow   1.2   %   ASIM D63     Testies Strength (Break, 23*C)   12   %   ASIM D63     Feural Modulus (23*C)   69   Jinet   ASIM D63     Findent Long Modulus (23*C)   69   Jinet   ASIM D63     Findent Testin Findent (1)   Minol Value	General Information			
Features   Good Stiffness     Good Thermal Stability     Heat Stabilized     High Heat Resistance     High Impact Resistance     High Strength     Impact Modified     Forms   Pellets     Processing Method   Kartusion     Injection Molding     Physical   Nominal Value     Modennical   Nominal Value     Mechanical   Nominal Value     Mensional Strength (Break, 23°C)   78.6     Iessile Strength (Bre	Filler / Reinforcement	Glass Fiber,14% Filler by Weigl	nt	
Features   Good Stiffness     Good Thermal Stability     Heat Stabilized     High Heat Resistance     High Strength     Impact Modified     Processing Method     Processing Method     Nominal Value     Unit     Pest Modified     Specific Gravity     Nominal Value     Moding Shrinkage - Flow     O60     Molding Shrinkage - Flow     Rechanical     Nominal Value     Unit     Tessile Etongation (Break, 23°C)     78.6     Molding Shrinkage - Flow     O60     Nominal Value     Unit     Tessile Etongation (Break, 23°C)     78.6     Moldulus (23°C)     79.6     More     Astim Do38     Flexural Modulus (23°C)     69   Jrin     Nominal Value     Nominal Value     More     Flexural Modulus (23°C)     69   Jrin     Stim Do38     Flexural Modulus (23°C)     69   Jri	Additive	Heat Stabilizer		
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Thermal Nominal Value Unit Test Method   Deflection Temperature Under Load (1.8	Impact	Nominal Value	Unit	Test Method
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	Thermal	Nominal Value	Unit	Test Method
		207	°C	ASTM D648

Melting Temperature	259	°C
Injection	Nominal Value	Unit
Drying Temperature	65.6 to 82.2	°C
Drying Time	2.0 to 4.0	hr
Drying Time, Maximum	4.0	hr
Suggested Max Moisture	0.20	%
Suggested Shot Size	25 to 75	%
Suggested Max Regrind	25	%
Rear Temperature	260 to 293	°C
Middle Temperature	277 to 299	°C
Front Temperature	282 to 310	°C
Nozzle Temperature	279 to 307	°C
Processing (Melt) Temp	288 to 316	°C
Mold Temperature	82.2 to 93.3	°C
Injection Pressure	34.5 to 103	MPa
Injection Rate	Fast	
Holding Pressure	27.6 to 82.7	MPa
Back Pressure	0.00 to 0.345	MPa

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# 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

