

## Pyramid Stainless Steel AISI 304/316L, STAINLESS STEEL SHEET NO.4 FINISH

Category : Metal , Ferrous Metal , Stainless Steel , T 300 Series Stainless Steel

### Material Notes:

Information provided by Pyramid Stainless Steel Ind Co Ltd

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Pyramid-Stainless-Steel-AISI-304316L-STAINLESS-STEEL-SHEET-NO4-FINISH.php](http://www.lookpolymers.com/polymer_Pyramid-Stainless-Steel-AISI-304316L-STAINLESS-STEEL-SHEET-NO4-FINISH.php)

Physical Properties	Metric	English	Comments
Density	7.945 g/cc	0.2870 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Modulus of Elasticity	201 GPa	29200 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	16.4 $\mu\text{m}/\text{m}\cdot\text{°C}$	9.11 $\mu\text{in}/\text{in}\cdot\text{°F}$	Mean
	@Temperature 21.0 - 100 °C	@Temperature 69.8 - 212 °F	
	16.9 $\mu\text{m}/\text{m}\cdot\text{°C}$	9.39 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 21.0 - 300 °C	@Temperature 69.8 - 572 °F	Mean
	17.5 $\mu\text{m}/\text{m}\cdot\text{°C}$	9.72 $\mu\text{in}/\text{in}\cdot\text{°F}$	Mean
	@Temperature 21.0 - 500 °C	@Temperature 69.8 - 932 °F	
Thermal Conductivity	12.7 W/m-K	88.1 BTU-in/hr-ft <sup>2</sup> -°F	
Melting Point	1370 - 1430 °C	2500 - 2610 °F	
Solidus	1370 °C	2500 °F	
Liquidus	1430 °C	2610 °F	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	<= 0.35 %	<= 0.35 %	
Boron, B	0.0010 - 0.010 %	0.0010 - 0.010 %	
Carbon, C	<= 0.080 %	<= 0.080 %	
Chromium, Cr	13.5 - 16 %	13.5 - 16 %	
Iron, Fe	60 %	60 %	

Component Elements Properties	Metric	English	Comments
Molybdenum, Mo	1.0 - 1.5 %	1.0 - 1.5 %	
Nickel, Ni	24 - 27 %	24 - 27 %	
Sulfur, S	<= 0.030 %	<= 0.030 %	
Titanium, Ti	1.9 - 2.35 %	1.9 - 2.35 %	
Tungsten, W	3.0 - 4.5 %	3.0 - 4.5 %	
Vanadium, V	0.10 - 0.50 %	0.10 - 0.50 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000910 ohm-cm	0.0000910 ohm-cm	
Magnetic Permeability	1.007	1.007	at 200 Oersted (15.9 kA/m)

## Contact Songhan Plastic Technology Co.,Ltd.

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