

Aleris HOGAL 5558 Aluminum 5026 H14/H34

Category : Metal , Nonferrous Metal , Aluminum Alloy , 5000 Series Aluminum Alloy

Material Notes:

HOGAL 5558 is produced according to EN AW-5026. Information provided by Aleris.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aleris-HOGAL-5558-Aluminum-5026-H14H34.php

Physical Properties	Metric	English	Comments
Density	2.66 g/cc	0.0961 lb/in ³	AA 5083

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	88	88	Typical
	@Thickness 5.00 - 12.0 mm	@Thickness 0.197 - 0.472 in	
	52	52	Calculated
	@Thickness 5.00 mm, Temperature 200 °C	@Thickness 0.197 in, Temperature 392 °F	
	64	64	Calculated
	@Thickness 5.00 mm, Temperature 150 °C	@Thickness 0.197 in, Temperature 302 °F	
Tensile Strength, Ultimate	84	84	Calculated
	@Thickness 5.00 mm, Temperature 100 °C	@Thickness 0.197 in, Temperature 212 °F	
	87	87	
	@Thickness 5.00 mm, Temperature 25.0 °C	@Thickness 0.197 in, Temperature 77.0 °F	
	>= 250 MPa	>= 36300 psi	Guaranteed Minimum L-T Direction
	290 MPa	42100 psi	Typical L-T Direction
	@Thickness 5.00 - 12.0 mm	@Thickness 0.197 - 0.472 in	
	170 MPa	24700 psi	Typical L-T Direction
	@Thickness 5.00 mm, Temperature 200 °C	@Thickness 0.197 in, Temperature 392 °F	
	211 MPa	30600 psi	Typical L-T Direction
	@Thickness 5.00 mm, Temperature 150 °C	@Thickness 0.197 in, Temperature 302 °F	
	279 MPa	40500 psi	

Mechanical Properties	Metric @ Thickness 5.00 mm, Temperature 100 °C	English @ Thickness 0.197 in, Temperature 212 °F	Comments Typical L-T Direction
	292 MPa	42400 psi	
	@Thickness 5.00 mm, Temperature 25.0 °C	@Thickness 0.197 in, Temperature 77.0 °F	Typical L-T Direction
Tensile Strength, Yield	>= 200 MPa	>= 29000 psi	Guaranteed Minimum L-T Direction; 0.2% Offset
	230 MPa	33400 psi	
	@Thickness 5.00 - 12.0 mm	@Thickness 0.197 - 0.472 in	Typical L-T Direction; 0.2% Offset
Elongation at Break	>= 10 %	>= 10 %	Guaranteed Minimum L-T Direction, in 2 inches
	14 %	14 %	
	@Thickness 5.00 - 12.0 mm	@Thickness 0.197 - 0.472 in	Typical L-T Direction, in 2 inches
Bend Radius, Minimum	3.5 t	3.5 t	
	@Thickness 5.00 mm	@Thickness 0.197 in	
	4.0 t	4.0 t	
	@Thickness 8.00 mm	@Thickness 0.315 in	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	88.3 - 94.6 %	88.3 - 94.6 %	as balance
Chromium, Cr	<= 0.30 %	<= 0.30 %	
Copper, Cu	0.10 - 0.80 %	0.10 - 0.80 %	
Iron, Fe	0.20 - 1.0 %	0.20 - 1.0 %	
Magnesium, Mg	3.9 - 4.9 %	3.9 - 4.9 %	
Manganese, Mn	0.60 - 1.8 %	0.60 - 1.8 %	
Silicon, Si	0.55 - 1.4 %	0.55 - 1.4 %	
Titanium, Ti	<= 0.20 %	<= 0.20 %	
Zinc, Zn	<= 1.0 %	<= 1.0 %	
Zirconium, Zr	<= 0.30 %	<= 0.30 %	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China