

Aleris HOGAL 5558 Aluminum 5026-O/H111

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-OH111.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	75	75	Typical
	@Thickness 5.00 - 12.0 mm	@Thickness 0.197 - 0.472 in	
Tensile Strength, Ultimate	>= 245 MPa	>= 35500 psi	Guaranteed Minimum L-T Direction
	250 MPa	36300 psi	Typical L-T Direction
	@Thickness 5.00 - 12.0 mm	@Thickness 0.197 - 0.472 in	
Tensile Strength, Yield	>= 120 MPa	>= 17400 psi	Guaranteed Minimum L-T Direction; 0.2% Offset
	155 MPa	22500 psi	Typical L-T Direction; 0.2% Offset
	@Thickness 5.00 - 12.0 mm	@Thickness 0.197 - 0.472 in	
Elongation at Break	>= 14 %	>= 14 %	Guaranteed Minimum L-T Direction, in 2 inches
	15 %	15 %	Typical L-T Direction, in 2 inches
	@Thickness 5.00 - 12.0 mm	@Thickness 0.197 - 0.472 in	
Bend Radius, Minimum	2.5 t	2.5 t	
	@Thickness 5.00 mm	@Thickness 0.197 in	
	3.0 t	3.0 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 %	

Component Elements Properties	Metric	English	Comments
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 %	

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