



Certificado de Qualidade Quality Certificate



1323771/2025

Cliente (Customer): MARCOS RIBEIRO E CIA LTDA
Pedido Cliente (Customer order): Nº 2512

Pedido(Order): 1206102

Nota Fiscal (Invoice): 310634
Data (Date): 20/05/2025

Material (Product)

Descricao (Description): Chapa 304 BF Esc PVC branco 1,50 mm x 1520 mm x 3000 mm (BN 25/00809/1)-(Num. Rast. BN 25/00809/1)
Corrida (Heat): 4W7043G Placa/O.P.: 1003B Norma (Standard): ASTM A240/A240M 18
Peso (Weight): 548,00 KG
Observacao (Observation): DOBRAMENTO 180-TRANS
OXALICO TEST (APROVADO)

Análise Química (Chemical Composition)

C	Si	Mn	Cr	Ni	Mo	N	Ti	P
0,024	0,410	1,4	18,13	8,05	0,27	0,0720	0,007	0,031
S	Cu	Al	N2	Nb	Co			
0,0041	0,22				0,223			

Análise Mecânica (Mechanical Properties)

Limite de Escoamento (Yield Stress): 0,2% 338 MPa
Resistencia a Tracao (Strizione): 634 MPa
Reduc. Area Minima (Reduction of Area):
Alongamento (Elongation): 57 % Estricção (Stricture):
Tam. do Grao (Grain Size): 08/08 Dureza (Toughness): 80,33HRB

Cadastro certificado:
DAYANE SILVA

Material (Product)

Descricao (Description): Chapa 201 BF Pol PVC branco 1,20 mm x 1240 mm x 3000 mm (BN 25/00405/1)-(Num. Rast. BN 25/00405/1)
Corrida (Heat): A241156 Placa/O.P.: GL2411172569 Norma (Standard): Ref. J2
Peso (Weight): 360,00 KG
Observacao (Observation):

Análise Química (Chemical Composition)

C	Si	Mn	Cr	Ni	Mo	N	Ti	P
0,132	0,560	8,52	13,97	1,15		0,175		0,053
S	Cu	Al	N2	Nb				
0,002	0,28							

Análise Mecânica (Mechanical Properties)

Limite de Escoamento (Yield Stress): 0,2% 466 MPa
Resistencia a Tracao (Strizione): 1.035 MPa
Reduc. Area Minima (Reduction of Area):
Alongamento (Elongation): 50 % Estricção (Stricture):
Tam. do Grao (Grain Size): Dureza (Toughness): 263HV

Cadastro certificado:
VANEIDE

Material (Product)

Descricao (Description): Chapa 201 BF Pol PVC branco 1,00 mm x 1240 mm x 3000 mm (BN 25/00407/1)-(Num. Rast. BN 25/00407/1)
Corrida (Heat): A241156 Placa/O.P.: GL2411172564 Norma (Standard): Ref. J2
Peso (Weight): 311,00 KG
Observacao (Observation):

Análise Química (Chemical Composition)

C	Si	Mn	Cr	Ni	Mo	N	Ti	P
0,132	0,560	8,52	13,97	1,15		0,175		0,053
S	Cu	Al	N2	Nb				
0,002	0,28							

Análise Mecânica (Mechanical Properties)

Limite de Escoamento (Yield Stress): 0,2% 466 MPa
Resistencia a Tracao (Strizione): 1.035 MPa
Reduc. Area Minima (Reduction of Area):
Alongamento (Elongation): 50 % Estricção (Stricture):
Tam. do Grao (Grain Size): Dureza (Toughness): 263HV

Cadastro certificado:
VANEIDE