ALTIGWELD 4047

Alloy 4047 was originally developed as a brazing alloy to take advantage of its low melting point and narrow freezing range. In addition, it has a higher silicon content than 4043, which provides for increased fluidity and reduced shrinkage. The alloy produces bright and almost smut free welds. Hot cracking is significantly reduced when 4047 is used as filler alloy. The alloy may be used in applications of sustained elevated temperatures.

Caractéristiques	
Classements	AMS 4185 : (Chemistry Only) ANSI/AWS A5.10 : (ER & R)
Agréments	CWB

Les approbations sont basées sur l'emplacement de l'usine. Veuillez contacter ESAB pour plus d'informations.

Type d'alliage	Aluminum

Propriétés de traction types			
Condition	**Limite d'élasticité**	**Résistance la traction**	**Allongement**
2014-T6			
Alliage de base	414 MPa (60 ksi)	483 MPa (70 ksi)	13 %
Base Alloy 6063-T4			
Brut de soudage	69 MPa (10 ksi)	138 MPa (20 ksi)	12 %
6061-T4			
Alliage de base	145 MPa (21 ksi)	241 MPa (35 ksi)	22 %
Base Alloy 6061-T4			
Brut de soudage	124 MPa (18 ksi)	186 MPa (27 ksi)	8 %
6061-T6			
Alliage de base	276 MPa (40 ksi)	310 MPa (45 ksi)	12 %
Base Alloy 6061-T6			
Brut de soudage	124 MPa (18 ksi)	186 MPa (27 ksi)	8 %
PWHT	276 MPa (40 ksi)	303 MPa (44 ksi)	5 %
Base Alloy 2014-T6			
Brut de soudage	193 MPa (28 ksi)	234 MPa (34 ksi)	4 %
6063-T4			
Alliage de base	152 MPa (22 ksi)	172 MPa (25 ksi)	22 %

composition du fil				
Mn	**Si**	**Cu**	**Zn**	**Fe**
0.01	11.5	0.01	0.01	0.18