

# Aluminium alloy EN AW 6026 LF/AA 6026 Modified



Conforming to ELV (2000/53/EC) and RoHS III (2018/740/EU)

Alloy 6026 LF is developed specifically for machining applications, conform to ELV and RoHS and renowned for good machining characteristics and excellent anodizing response. **Alloy 6026 LF does not contain Sn and Pb.** AA 6026 LF alloy is a direct replacement for 6026, 6012 and 6262-classic, retains all the technological properties of the original 6026, 6012 and 6262.



## Chemical Composition EN AW 6026 LF/AA 6026 Modified

Alloy	Si	Fe	Cu	Mn	Mg	Zn	Ti	Pb	Bi	Sn	Each	Total
EN AW 6026 LF/ AA 6026 Modified EN 573-3	0.60 1.4	max. 0.70	0.20 0.50	0.20 1.00	0.60 1.20	max. 0.30	max. 0.20	max. 0.05	0.50- 1.50	max. 0.05	max. 0.05	max. 0.15

## Mechanical properties EN AW 6026 LF/AA 6026 Modified

### Cold Drawn EN 754-2

Temper	Dimension		Rm min.		Rp <sub>0.2</sub> min.		A	A (2")	HB min.
	mm	inch (")	MPa	ksi	MPa	ksi	% min.		
<b>T6</b>	5.55 to 76.2	0.218 to 3	370	54	300	44	8	5	95
<b>T8</b>	5.55 to 76.2	0.218 to 3	345	50	315	46	4	5	95
<b>T9</b>	5.55 to 76.2	0.218 to 3	360	52	330	48	4	5	95

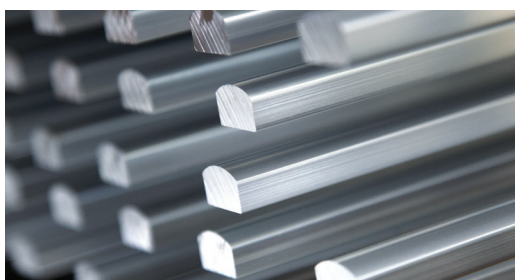
### Extruded EN 755-2

Temper	Dimension		Rm min.		Rp <sub>0.2</sub> min.		A	A (2")	HB min.
	mm	inch (")	MPa	ksi	MPa	ksi	% min.		
<b>T6, T6510, T6511</b>	20 to 140	0.788 to 5.511	370	54	300	44	8	8	95
	140.01 to 180	5.512 to 7.086	340	49	250	36	8	8	90

## Comparative Characteristics EN AW 6026 LF/AA 6026 Modified

Temper	Corrosion resistance		Cold workability	Anodizing Response	Brazeability	Weldability	
	General	Stress				Gas	Arc
<b>T6, T8, T9</b>	●●●	●●●●	●●●	●●●●	●●●	●●●	●●●
<b>T6, T6510, T6511</b>	●●●	●●●●	●●●	●●●●	●●●	●●●	●●●

Rating: ●●●● - Excellent | ●●● - Good | ●● - Fair | ● - Poor



## Physical Properties EN AW 6026 LF/AA 6026 Modified

Density (g/cm <sup>3</sup> )	2.75
Modulus of elasticity (MPa)	71130
Thermal conductivity (W/m K)	210
Coefficient of thermal expansion (25-100°) 10 <sup>-6</sup> /K	22.4-23.1
Electrical conductivity at 20°C (MS/m)	20-26 (34.5-45% IASC)