



ENGLISH

# Datasheet

## Glass Filter For Use With Welding Hand Shield

RS Stock number 790-2830



### 7. SHADE NUMBERS OF FILTERS RECOMMENDED FOR USE DURING ARC WELDING

Welding process or related techniques	Current in amperes																									
	0.5	2.5	10	20	40	80	125	175	225	275	350	450	Scale numbers <sup>(1)</sup> and recommended use for arc welding	1	5	15	30	60	100	150	200	250	300	400	500	
Covered electrodes																9	10	11	12	13	14					
MIG on heavy 2) metals																10	11	12	13	14						
MIG on light alloys																10	11	12	13	14	15					
TIG on all metals & alloys																9	10	11	12	13	14					
MAG																10	11	12	13	14	16					
Air-arc cutting																10	11	12	13	14	15					
Plasma arc welding																11	12	13								
Micro-plasma arc welding	2.5	0.5	2.5	10	20	40	80	125	175	225	275	350	450	3	1	5	15	30	60	100	150	200	250	300	400	500
	4	5	6	7	8	9	10	11	12	13	14	15														

NOTE 1. According to the conditions of use, the next greater or the next smaller shade number can be used.

NOTE 2. The term 'heavy metals' applies to steels, alloy steels, copper and its alloys, etc.

NOTE 3. The hatched areas correspond to the ranges where the welding operations are not usually used in the current practice of manual welding.

Note 4. The following abbreviations are used according to ISO 4063:

- (a) MIG refers to metal-arc welding with an inert gas shield;
- (b) MAG refers to metal-arc welding with non-inert gas shield;
- (c) TIG refers to tungsten inert gas.
- (d) air-arc cutting corresponds to the use of a carbon electrode and a jet of compressed air to remove the molten metal.

Notified Body N° 0337