

METAL ALLOY 48°C

TDS N° 18.2

TECHNICAL DATA SHEET

2005

Description

Low melting point alloy use for blocking plastic plastic and glass lenses.

Benefits

- A low melting point which reduces deformation of lenses.
- Low oxidation level.
- Can be recycled.

Technical Data

Solid specific heat	0.163 J.g-1.°C-1
Liquid specific heat	0.197 J.g-1.°C-1
Volume change liquidus/solidus	1.5%
Latent heat of fusion	36.8 J.g-1
Appearance	Silver white metal
Density	8.95 g/cm ³
Liquidus	52° C - 126 °F
Brinell hardness	12
Solidus	47° C - 117 °F



Composition

Bismuth (Bi) :	44.70
Plomb (Pb) :	22.60
Etain (Sn) :	11.30
Cadmium (Cd) :	5.30
Indium (In) :	16.10

Storage and Use

- Store out of dust or grease.
- Products in their original packaging.
- Wear protective equipment recommended into the Material & Safety Data Sheet.

Packaging

Disks of ± 1 kg.

Technical data presented here are supplied for information only and do not act as specifications.