

SIC invent AG, Birmanngasse 3, CH – 4055 Basel

---

Material data sheet

## HSL (Heraplat)

(The stated values are official specifications from DIN EN ISO 22674)

### General material description:

Material: HSL Heraplat  
Extended description: Products named HSL base on a alloy of platinum-gold and are exclusively moldable on alloys of EM.

Chemical values:	Weight	%
Au	61	%
Pt	23.8	%
Pd	15	%
Rh	0.2	%

### Physical Values:

Tensile strength Rm tempered:	82	N/mm <sup>2</sup>
0.2% Yield strength Rp tempered:	78	N/mm <sup>2</sup>
Vickers hardness HV5 tempered:	250	HV5
Melting range:	1360-1460	°C
Preheating temperature:	750	°C
Max. Casting temperature:	1300	°C

Basel, 07.03.2014



SIC invent AG  
Birmanngasse 3  
CH-4055 Basel  
Phone: +41 (0)61 261 39 66  
Fax: +41 (0)61 261 39 68  
www.sic-invent.com



Marcus von Malottki, Chief Technology Officer

---

SIC invent AG  
Birmanngasse 3  
CH - 4055 Basel

Fon: +41 (0) 61 260 24 60  
Fax: +41 (0) 61 261 39 68

[www.sic-invent.com](http://www.sic-invent.com)  
[contact.switzerland@sic-invent.com](mailto:contact.switzerland@sic-invent.com)

Firmenregisternummer: CH-270.3.013.155-8 d  
Steuernummer Schweiz: 7-021194-08  
Registergericht: Handelsgericht Basel  
Gerichtsstand/Sitz: Basel

UID Nummer: CHE-109.880.816  
ZAZ Zollkonto: 9367-6

USt-Id-Nr.: DE813723341  
ATLAS Zollkennnummer: 5619769

Bank: UBS AG, Basel  
SWIFT/BIC: UBSWCHZH80A

IBAN CHF: CH94 0023 3233 1042 8801 Q  
IBAN EUR: CH85 0023 3233 1042 8860 B  
IBAN USD: CH20 0023 3233 1042 8861 E