

(AZ91C)

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AZ91C

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/ m/s

/ m/s

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- AZ91C -

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$$\rho v^2 = \frac{2\gamma}{r}$$

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$$v = \sqrt{\frac{2\gamma}{\rho r}}$$

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$$\rho = 1590 \text{ kg/m}^3 \quad \gamma = 0.595 \text{ m/s}$$

m/s

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/ - /

AZ91C

/ /

Runyoro

/ m/s

/ m/s mm

Halvae .[]

/ m/s

AZ91C

(ZK51)

Bahrinian .[]

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/ m/s

/ m/s"

mm

(Plate)

mm

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ρv^2

mm

mm

v

ρ

$$\frac{2\gamma}{r}$$

γ

r)

(mm)

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(mm)

(mm)

:

$$h_c = (210 + 20) - 40 = 190 \text{ mm}$$

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$$V = \frac{\Delta h}{\Delta t}$$

(۶)

$$V = \sqrt{2gh_e}$$

(۷)

$$V = (2 \times 10 \times 190 / 1000)^{1/2} = 1/95 \text{ m/s}$$

(۵)

SO₂

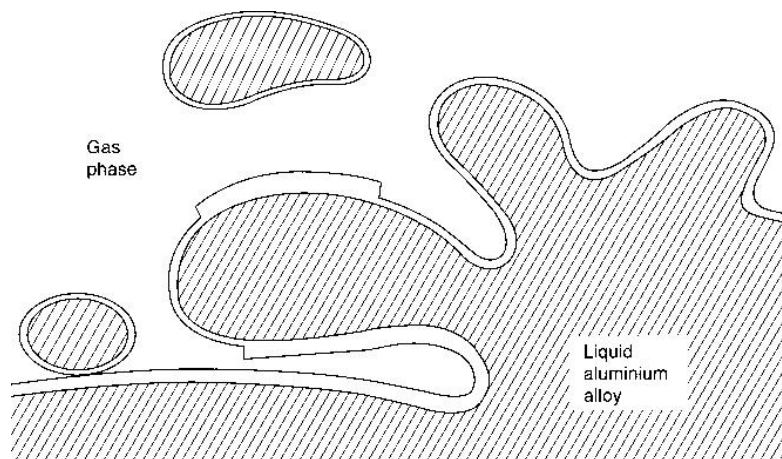
Sony Mini Dv

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E-290 ASTM

cm

Phoenix 2500

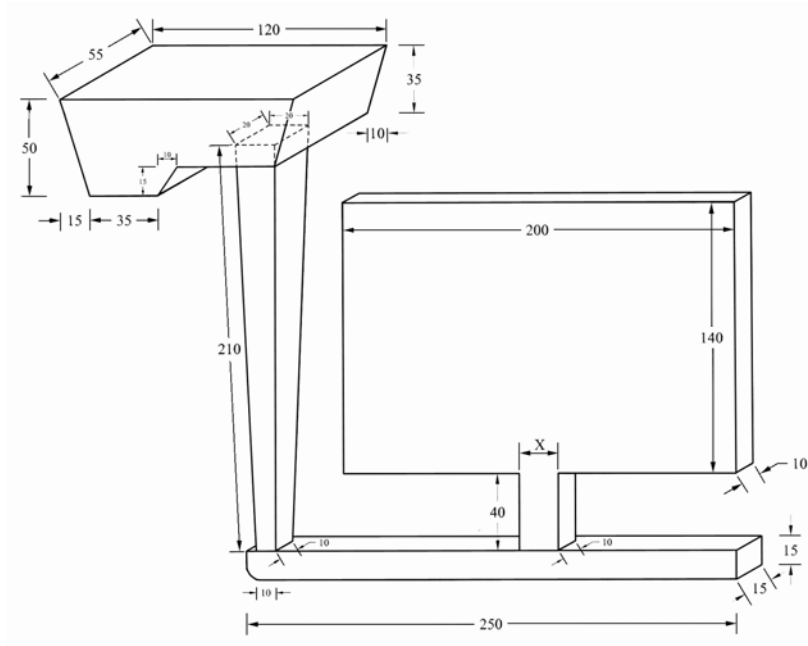


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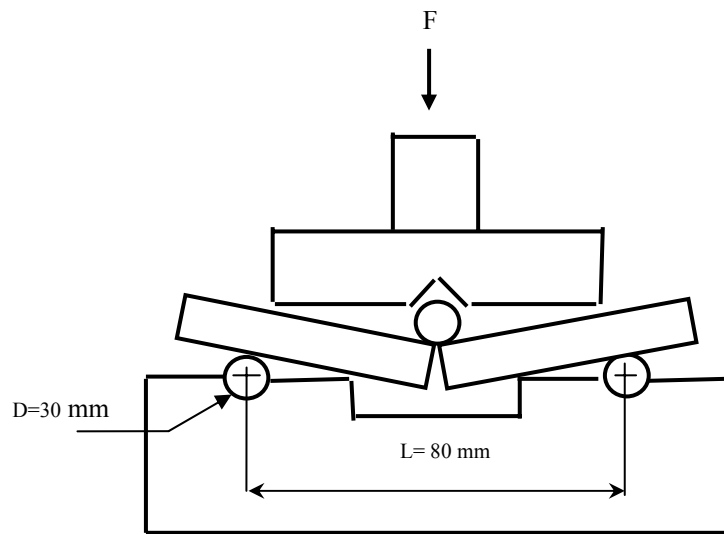
Reasercher	Alloy	Thickness	velocity m/s	year
Eastwood, Grube	Al-10Mg	6mm	0.5	1950
Suzuki	Al		0.4	1998
Runyoro, Campbell	Al	5mm	0.5	1992
Halvae, Campbell	Cu-10Al	10 mm	0.375	1995
Bahrinian, Buotorabi	ZK51		0.5	1996

.AZ91C

AZ91	Al	Mn	Zn	Mg
Composition	8.7	0.5	0.1	Base



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Type of Radiation	X
Distance of beam generation source to sample surface	60 cm
Voltage	130 KV
Current	5 mA

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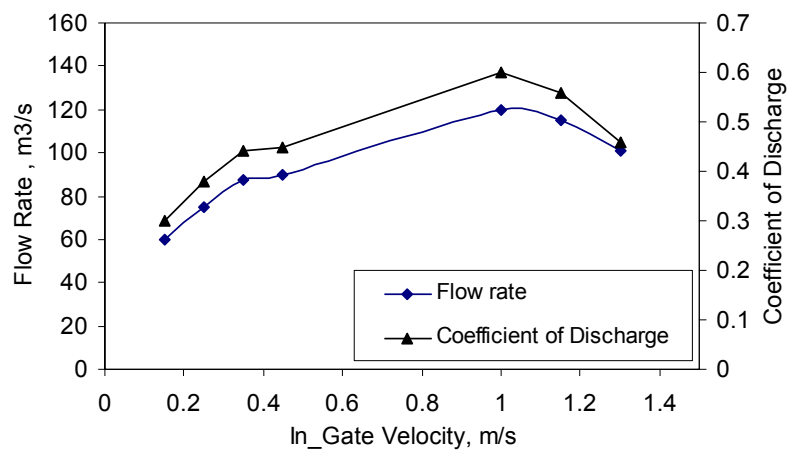
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() () ()
 SEM

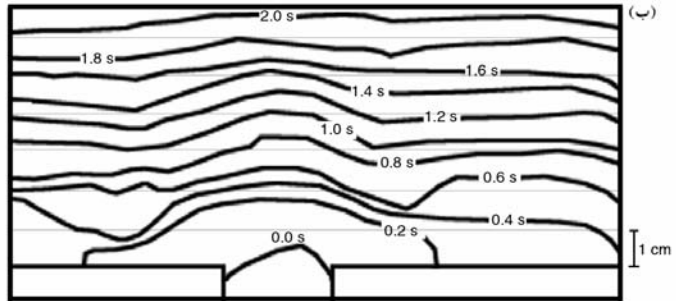
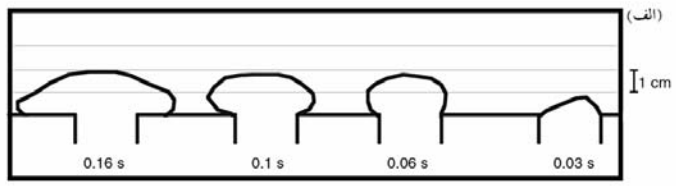
() EDX

. cm :

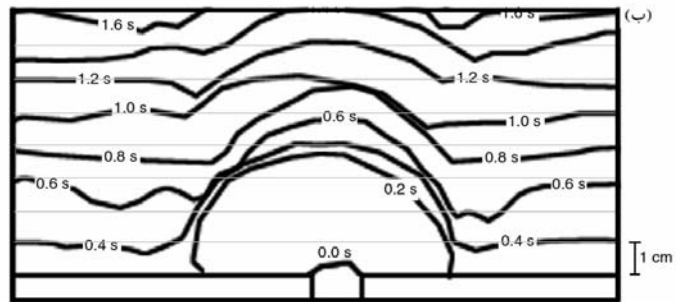
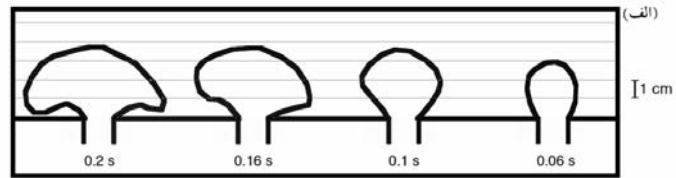
Number of Sample	1	2	3	4	5	6
Theoretical Velocity (m/s)	3.3	2	1.5	1	0.8	0.66
Real Velocity (m/s)	1.2	1	0.6	0.5	0.35	<0.25
Chock Cross Section (mm ²)	100	100	100	100	100	100
Gate Cross Section (mm ²)	70	100	150	200	250	300
Flow Rate(m ³ /s)*10 ⁻⁶	90	100	90	100	87.5	75
Friction loss %	64	50	60	50	57	62
Coefficient of Discharge (μ)	0.36	0.5	0.4	0.5	0.43	0.38



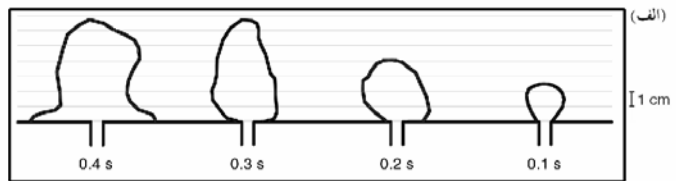
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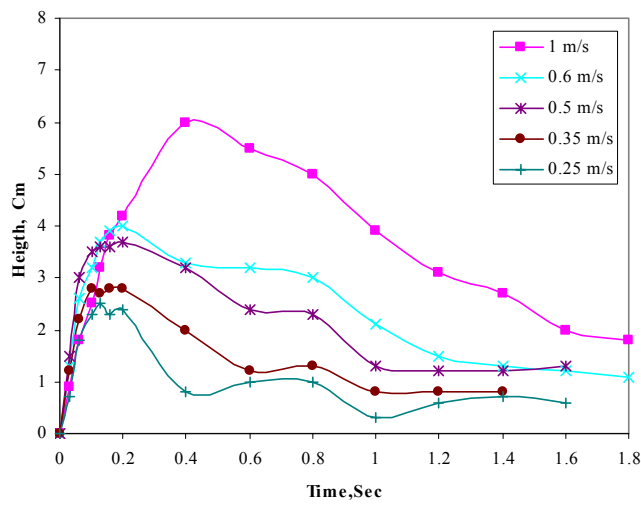
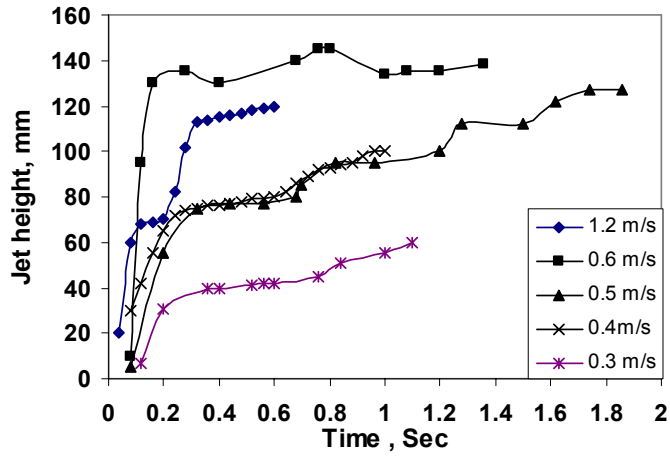
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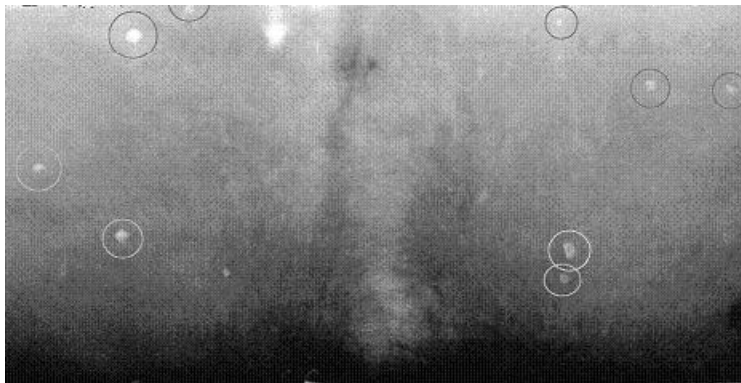
cm

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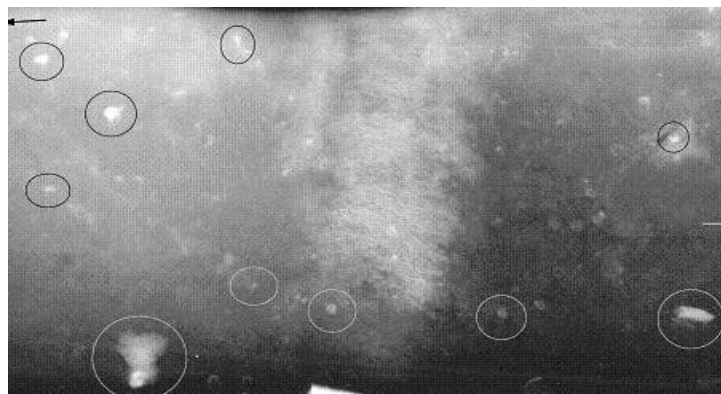
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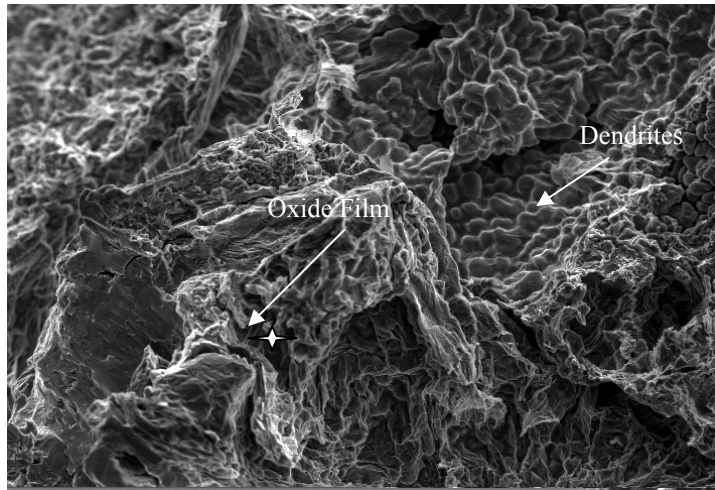
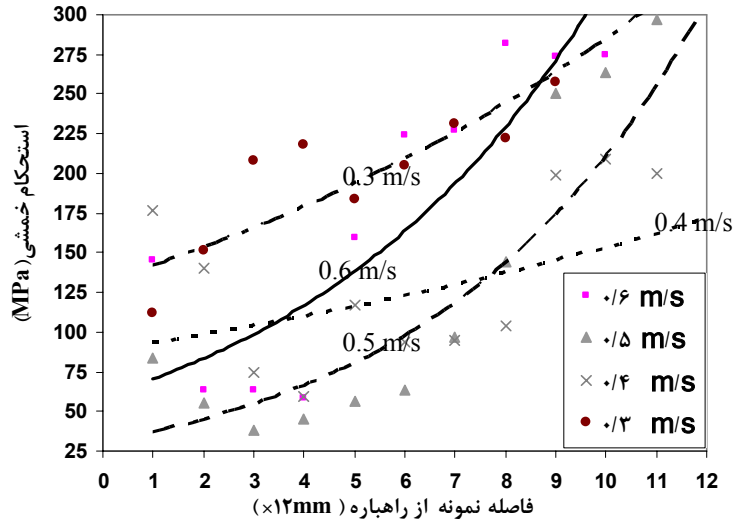
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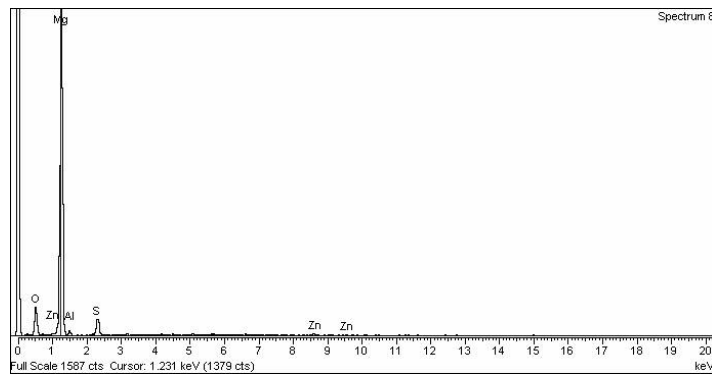
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SEM :



EDX :

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