

A360 Alaşımının Yüksek Basınçlı Dökümünde V Ve Sr İlavesinin Özelliklerinin Karakterizasyonu

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a ALCASTMETAL



29 September -1 October / 29 Eylül - 1 Ekim 2016
TÜYAP Fair, Convention & Congress Center, İstanbul

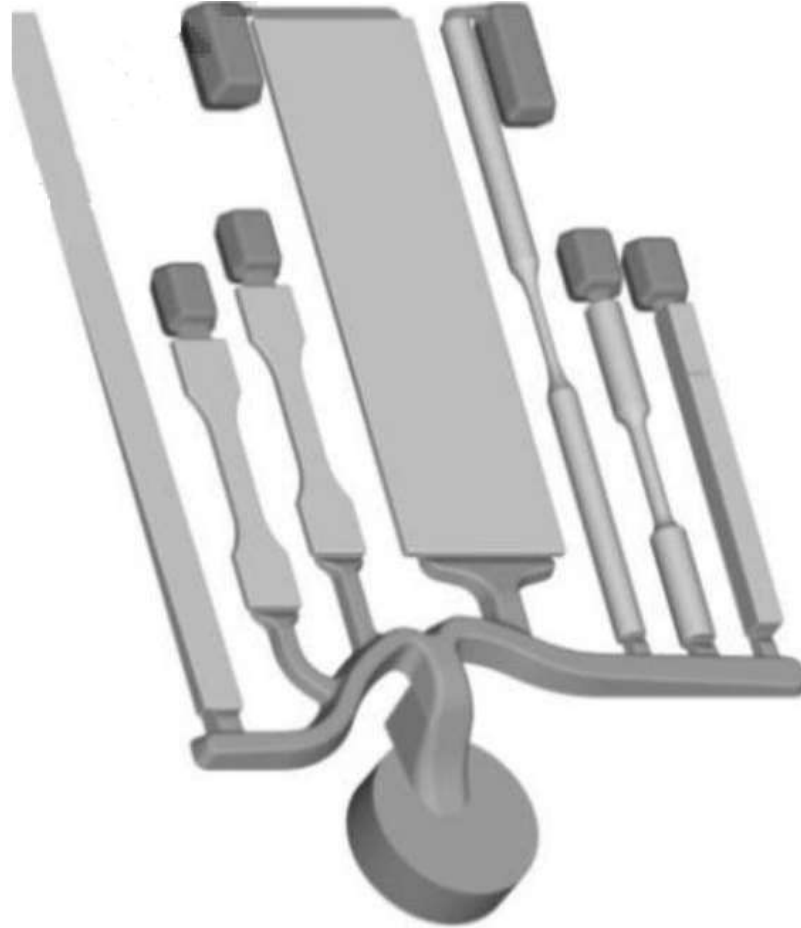
8. Uluslararası Döküm Kongresi / 8th International Foundry Congress by TUDOKSAD Academy



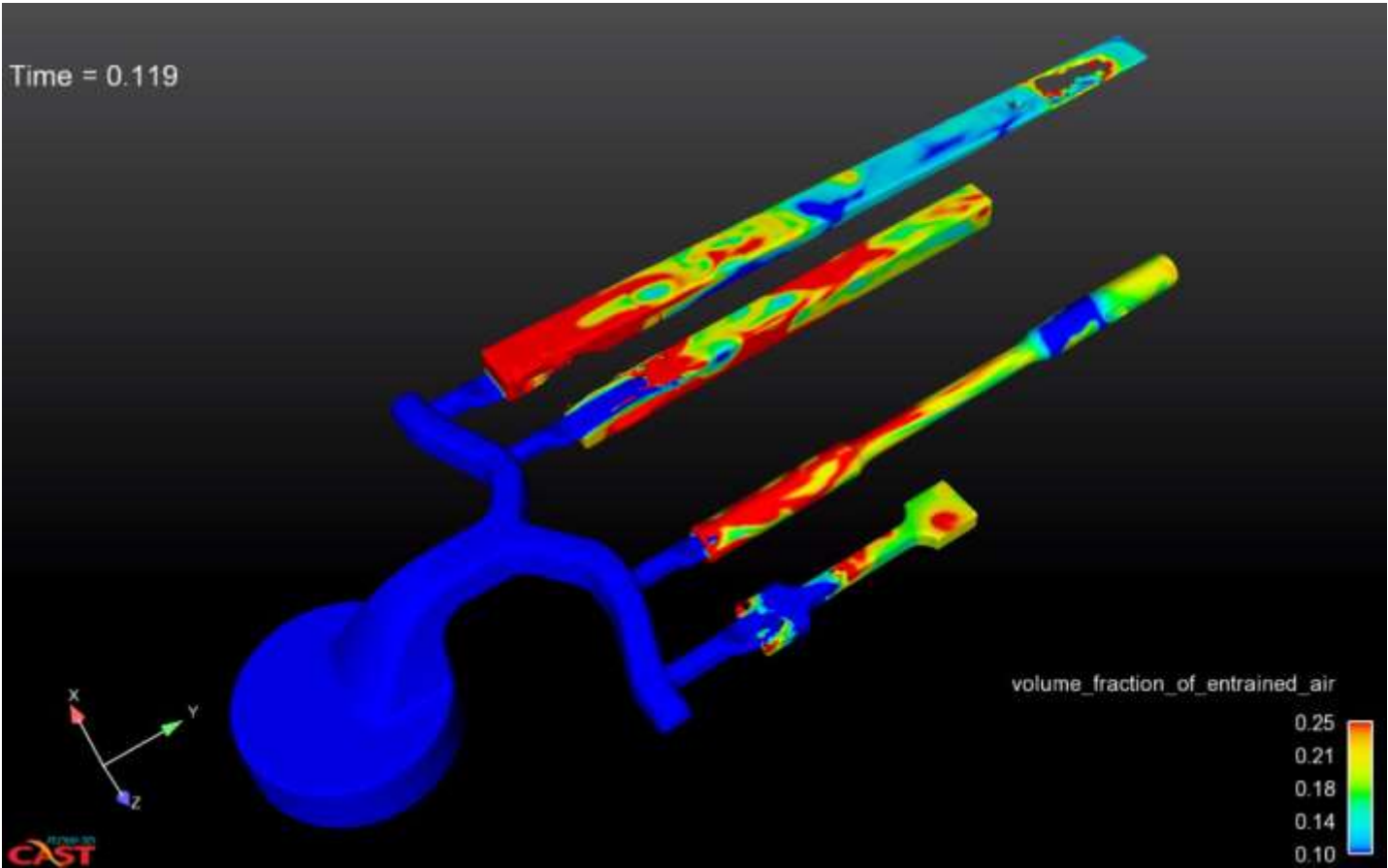
Al-Si Alařımları

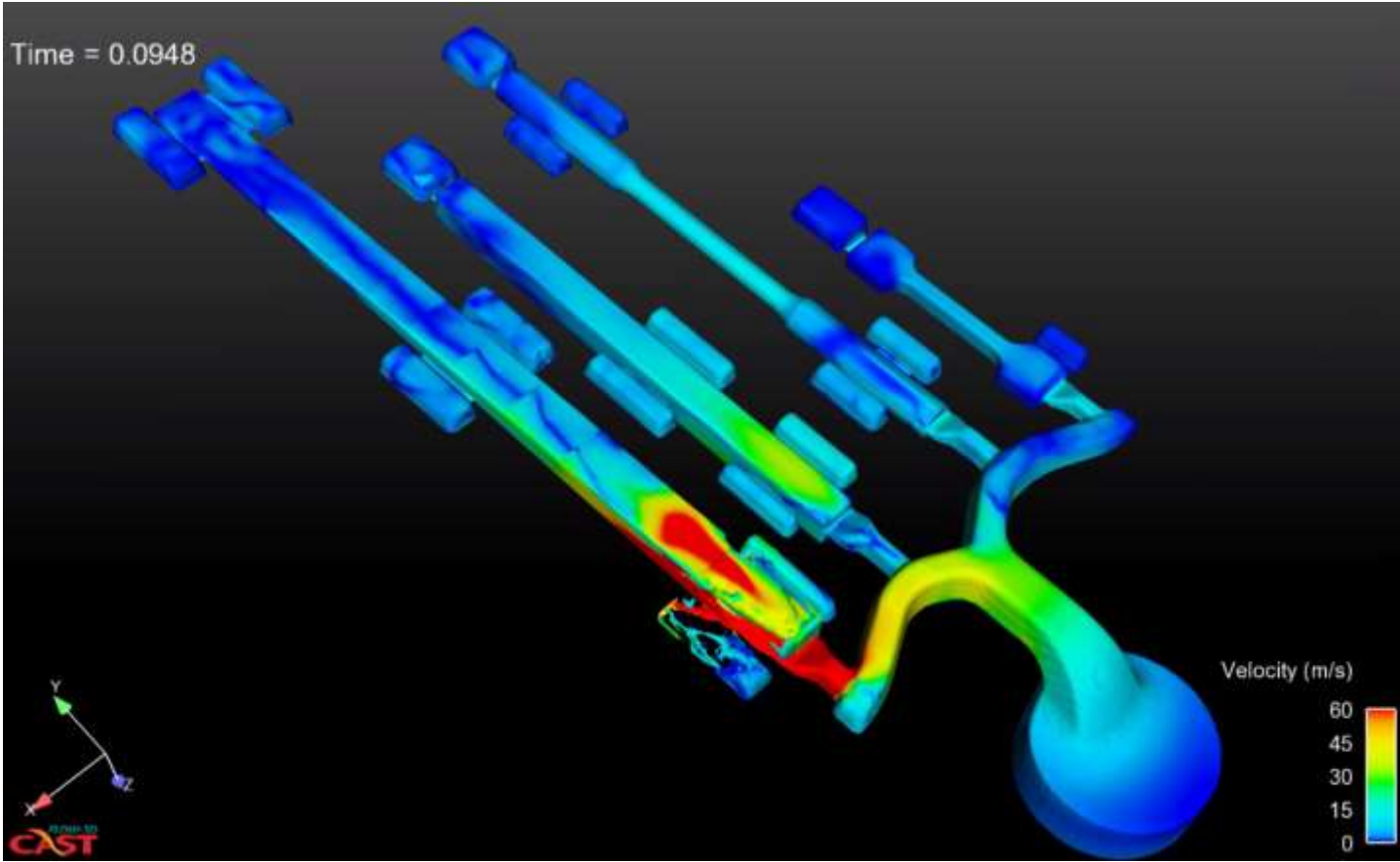


Motivasyon

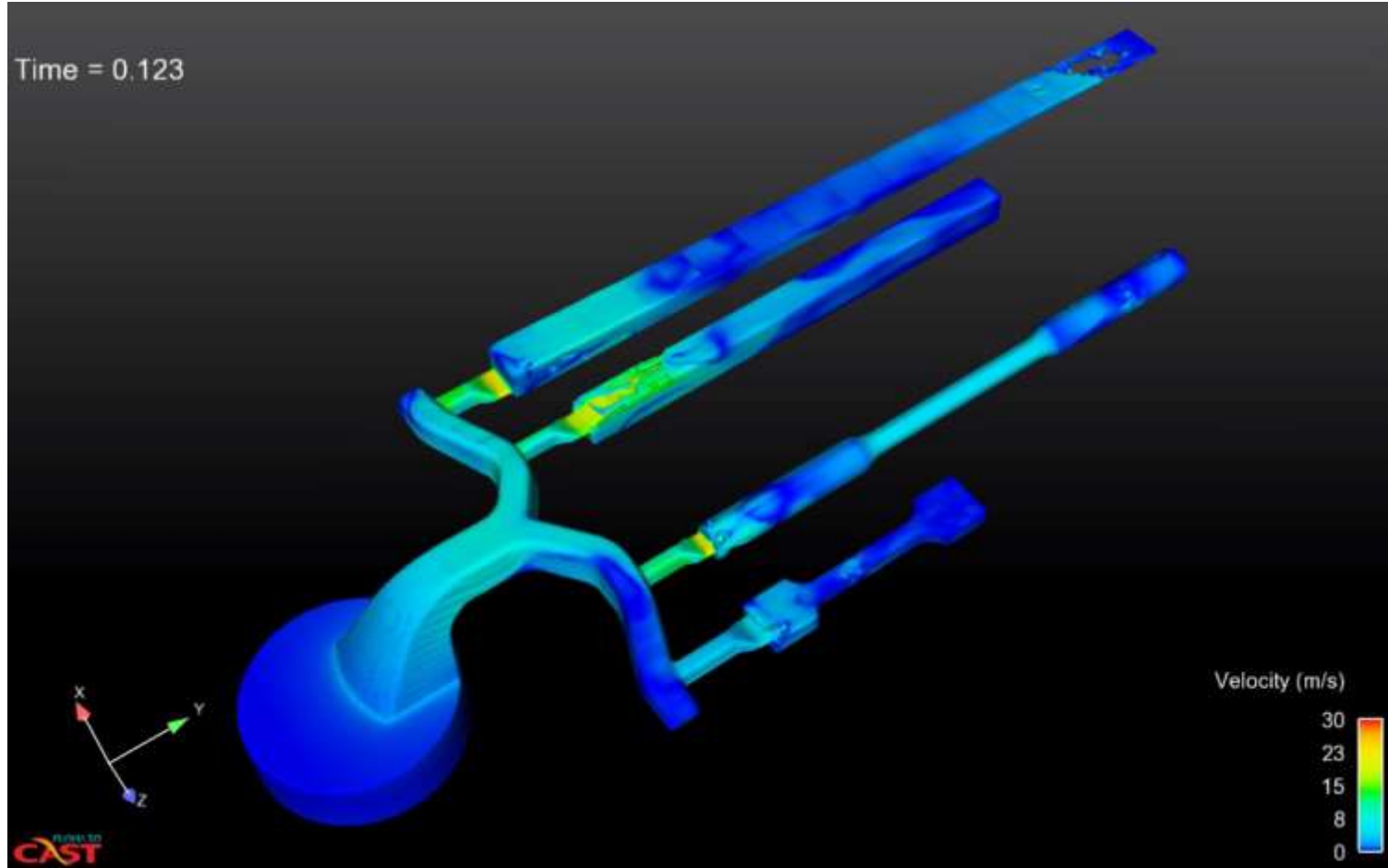


Time = 0.119





Time = 0.123



■ A360

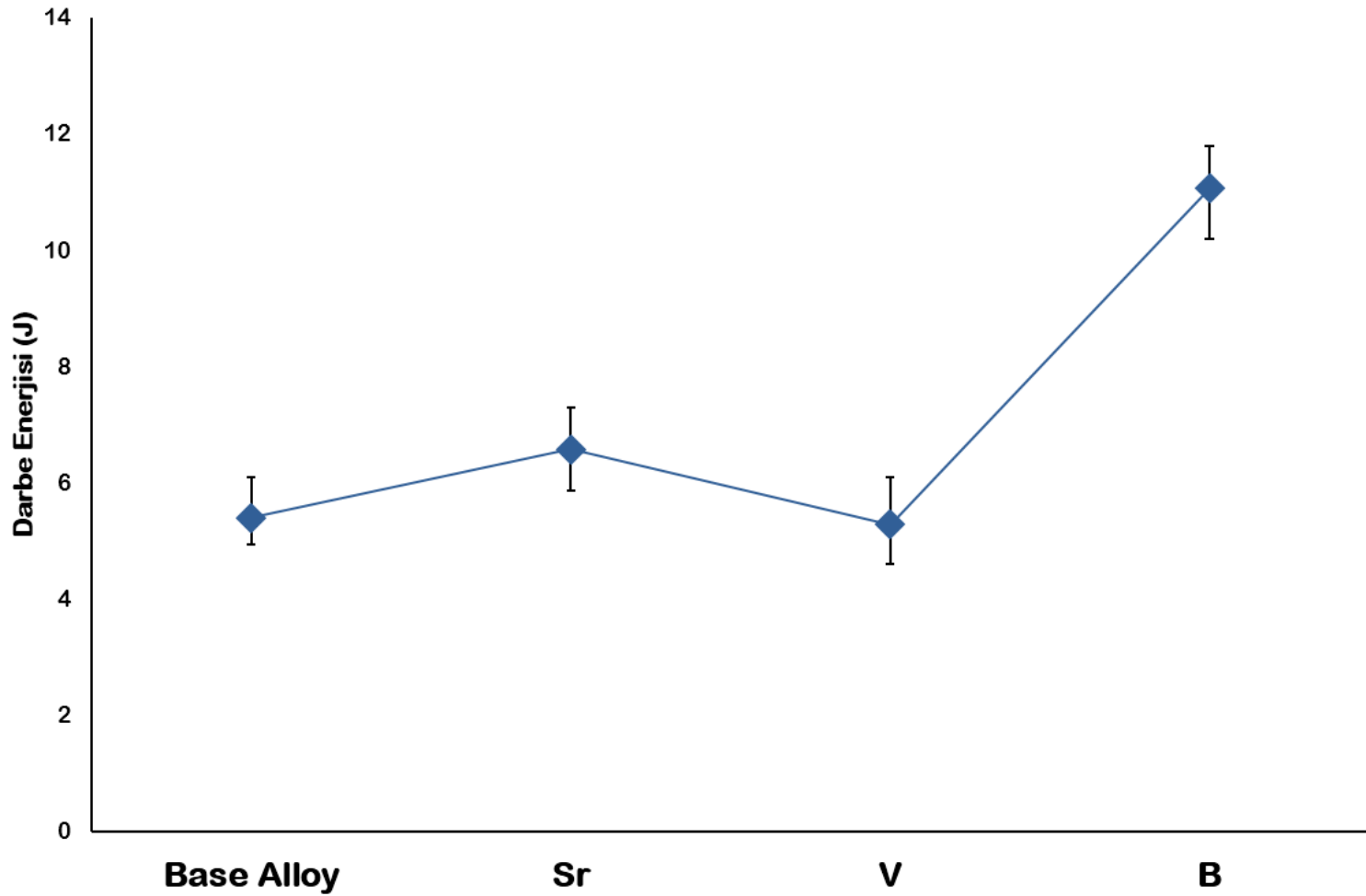
■ 720°

Si	Fe	Cu	Mn	Mg	Zn	Cr	Al
9,362	0,398	0,074	0,433	0,304	0,022	0,012	Kal.

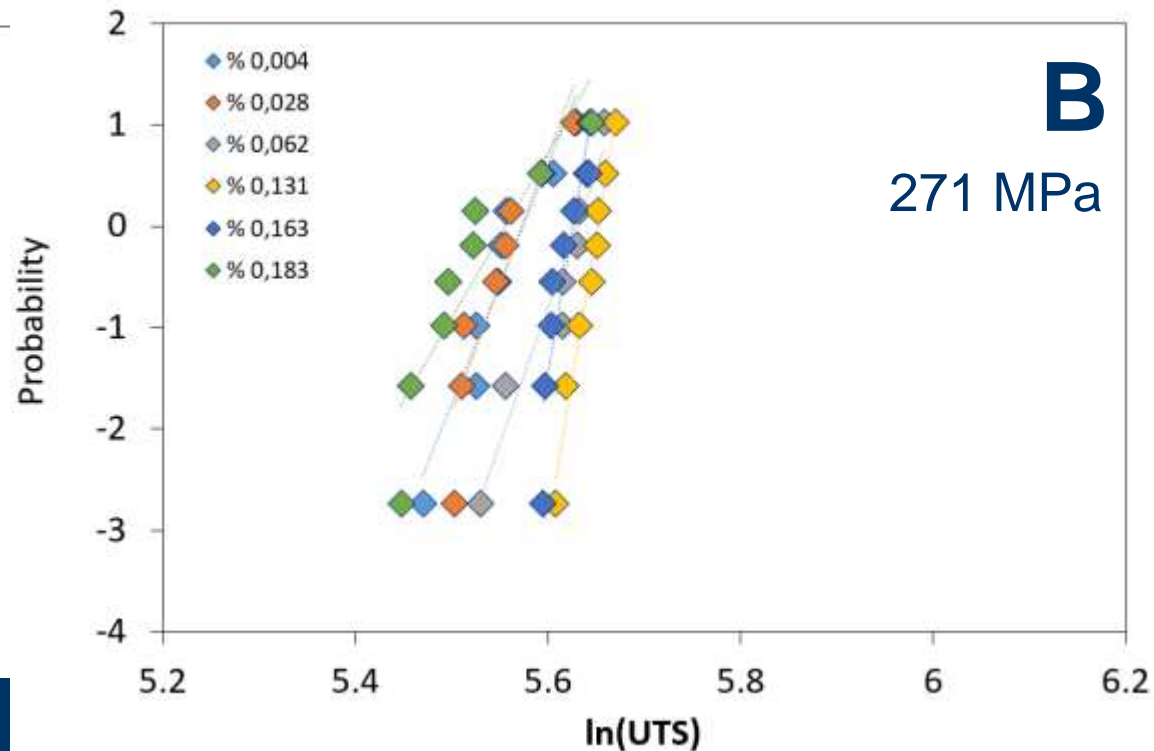
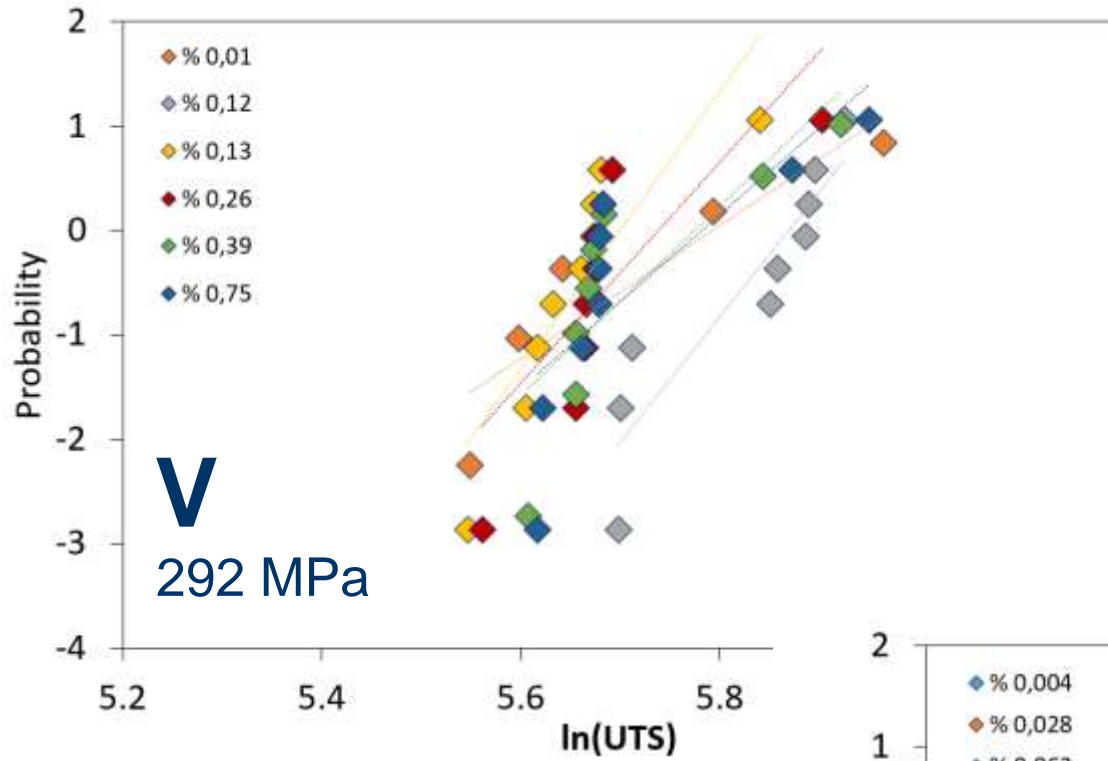
■ Al-10wt% Sr

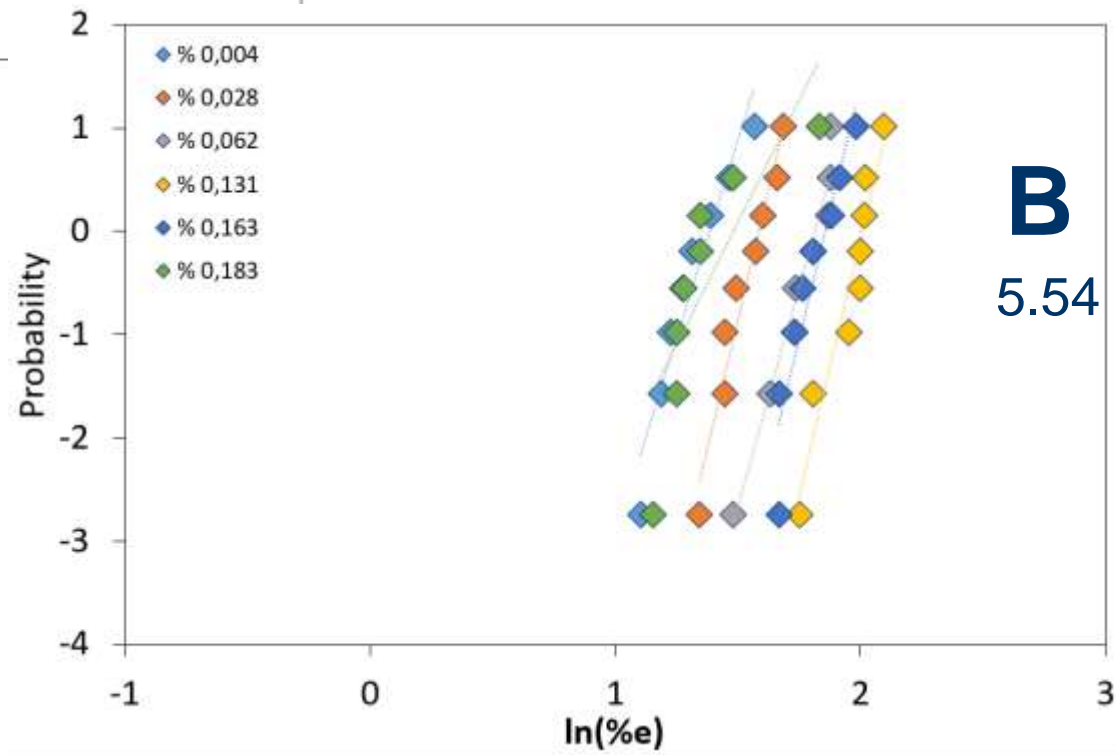
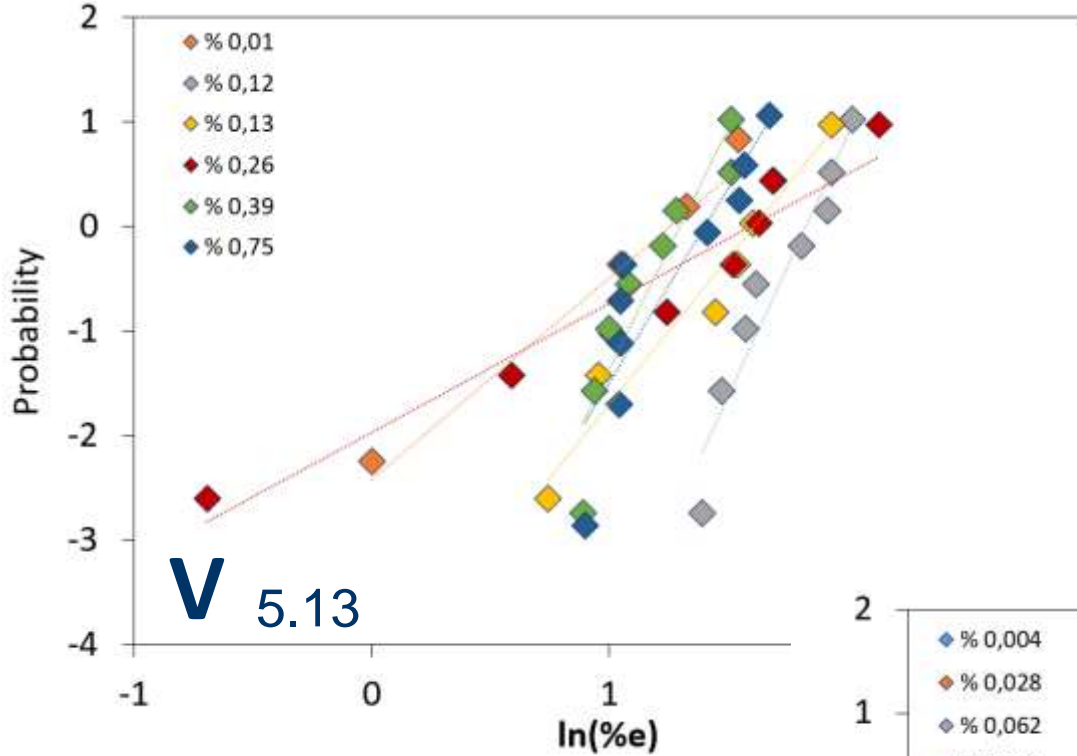
■ Al-10wt% V

■ Al-10wt% B

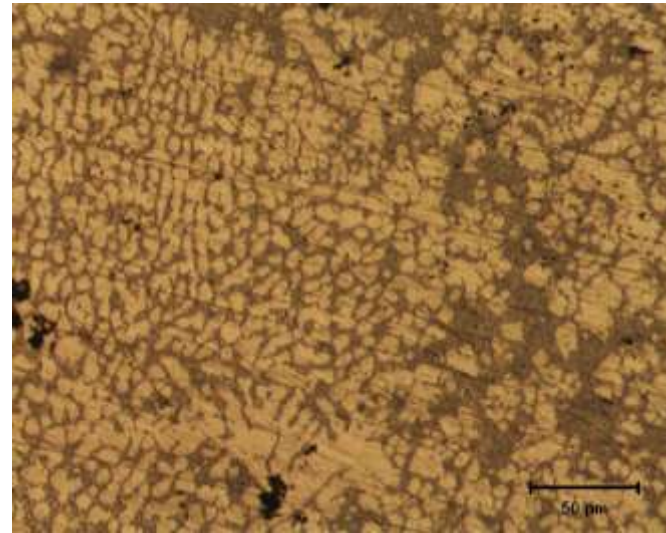
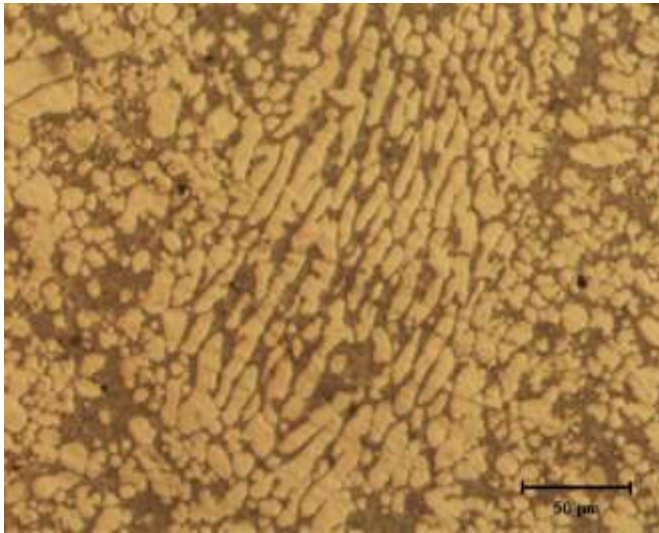
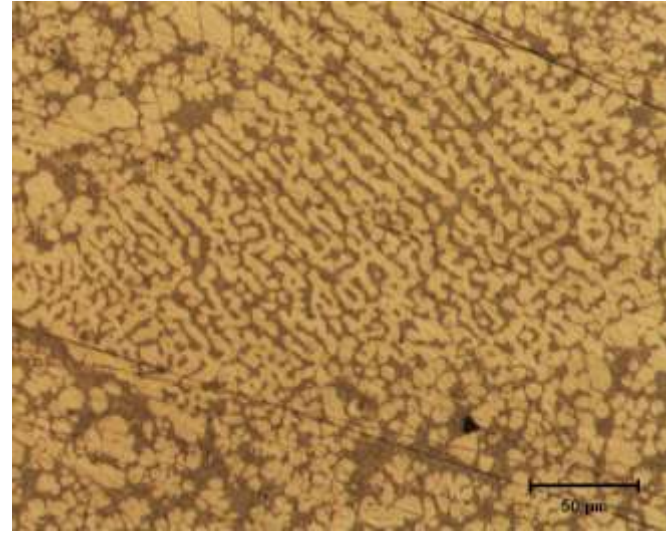
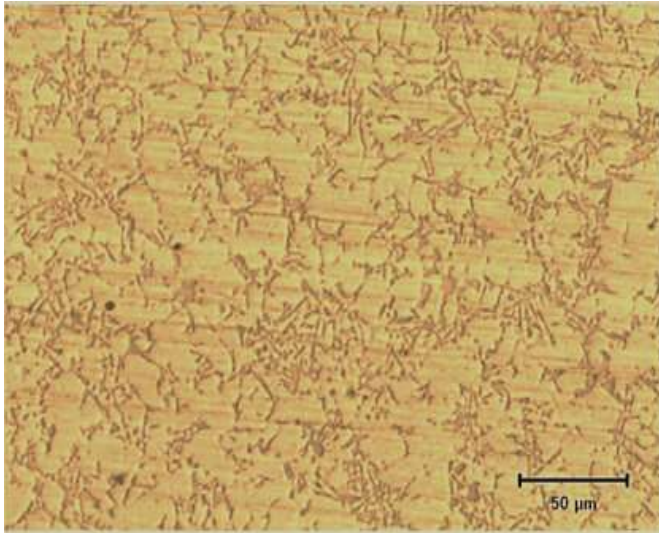


■ Weibull

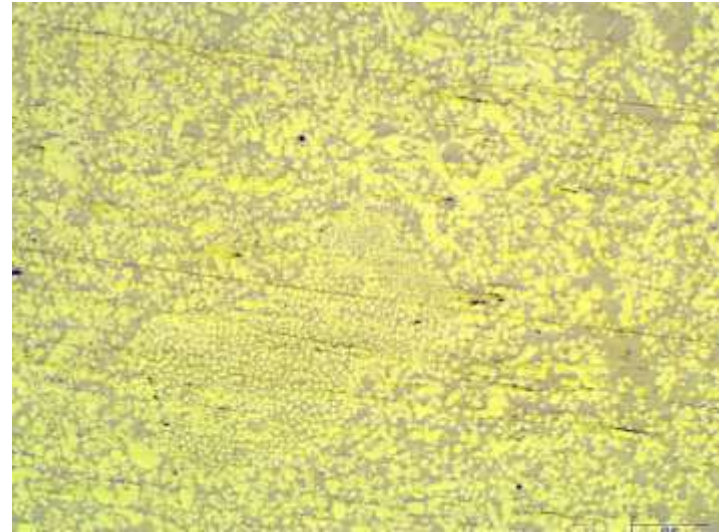
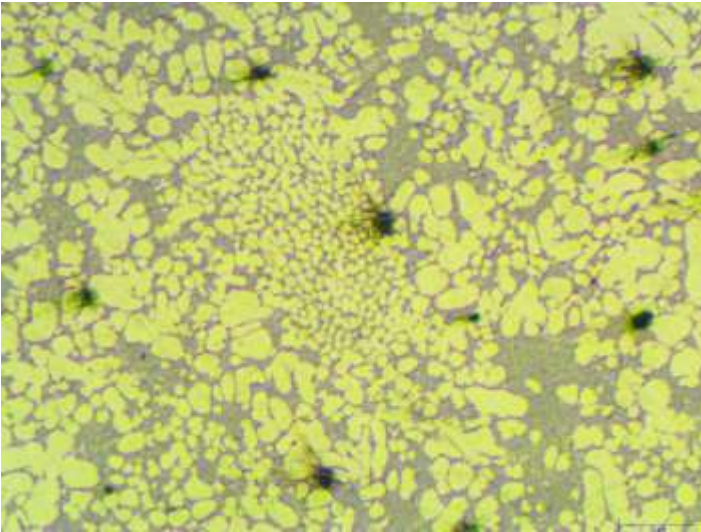
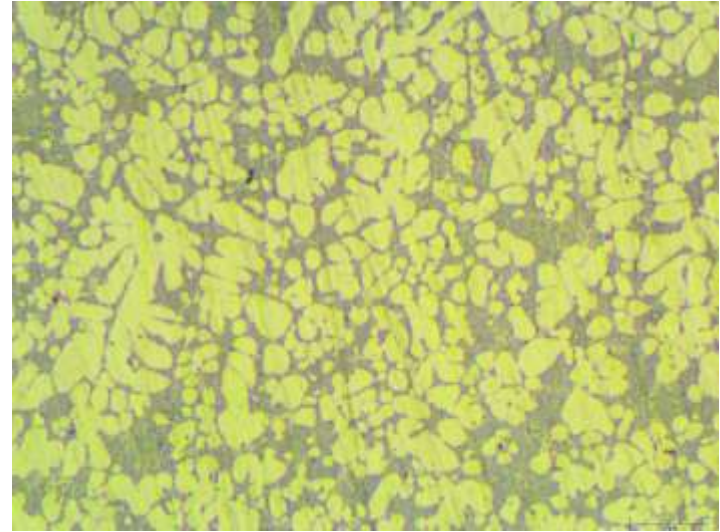
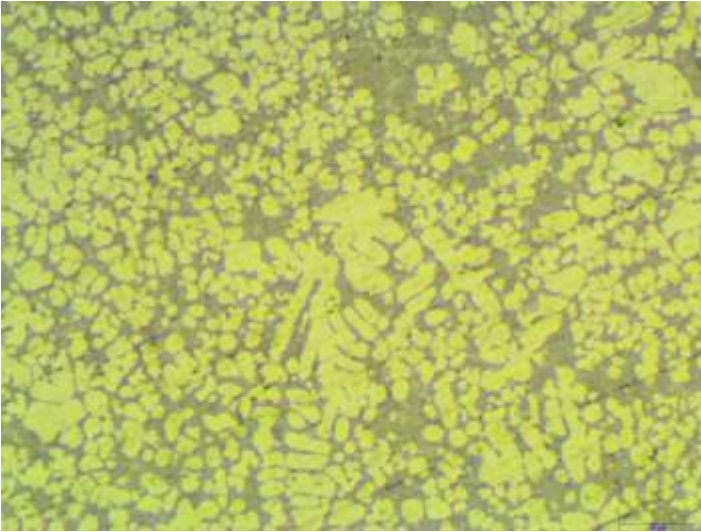




Mikroyapı: V



Mikroyapı: B



Sonuçlar

- **V:** Başarılı tane inceltme; heterojen mikroyapı.
İnce taneli mikroyapıya rağmen düşük mekanik özellikler.
Artan V ile gevrek malzeme.
- **B:** Başarılı tane inceltme; nispeten homojen mikroyapı.
İstikrarlı mekanik test sonuçları.

TEŞEKKÜRLER...

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