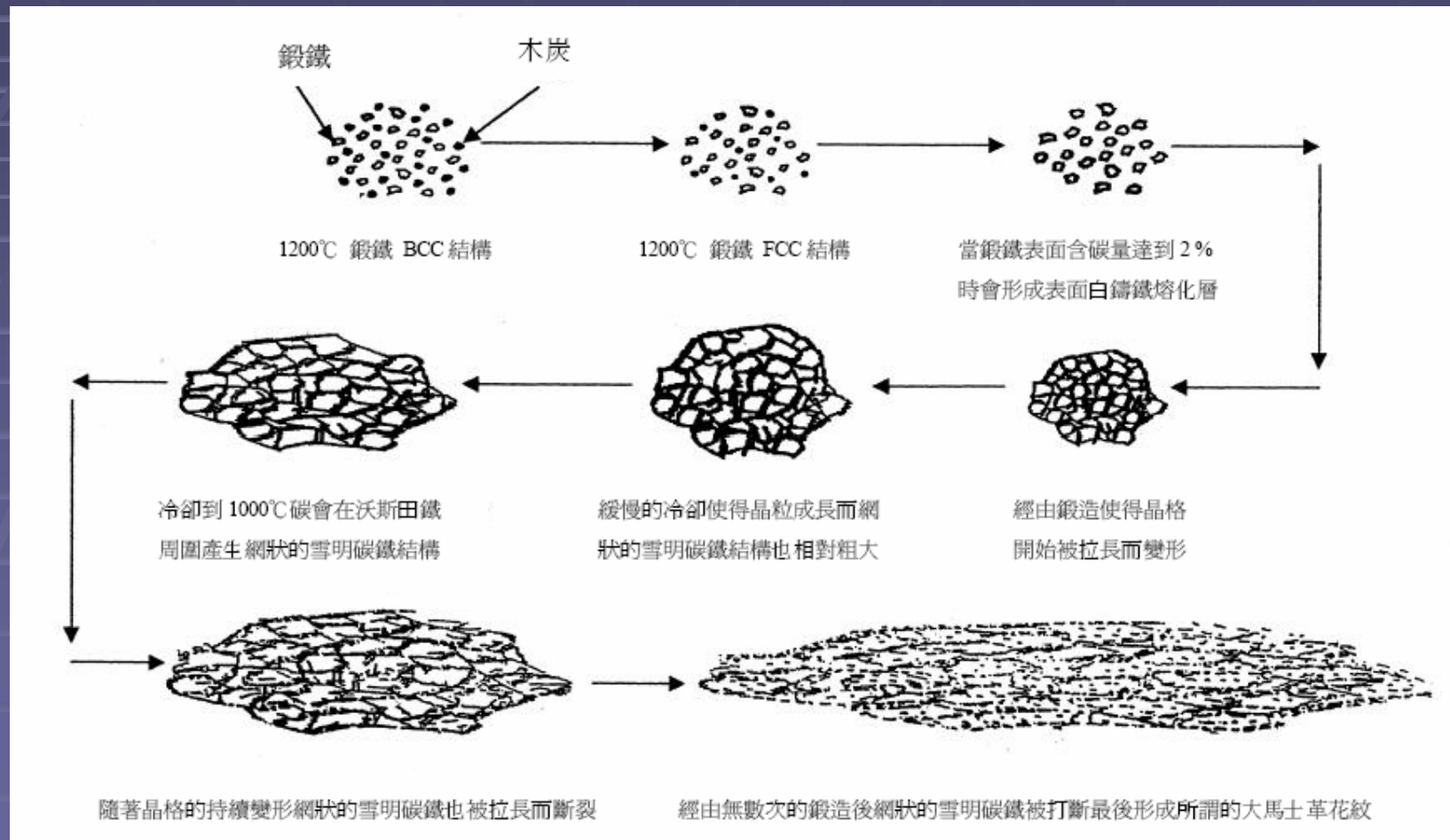


Damascus



Properties

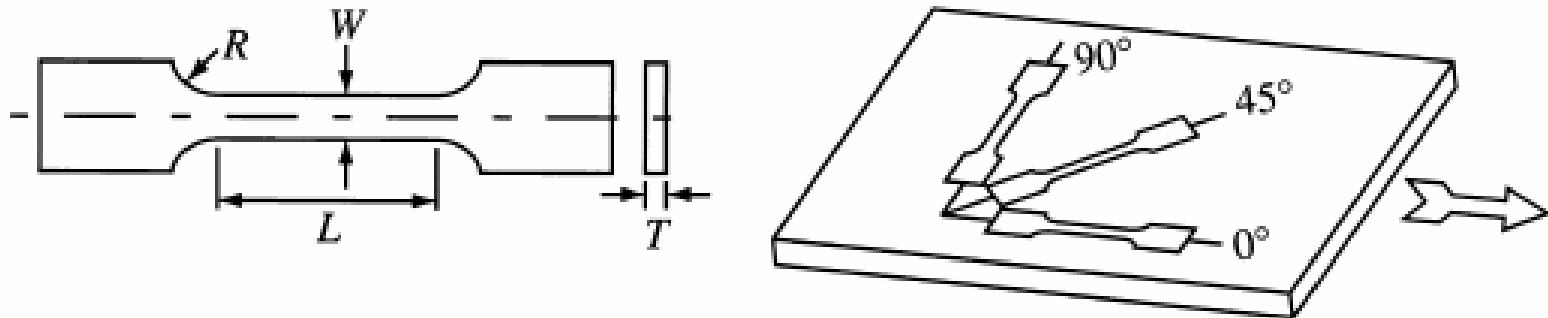


Table 1

Chemical composition of the UHCS plate is given in weight percent

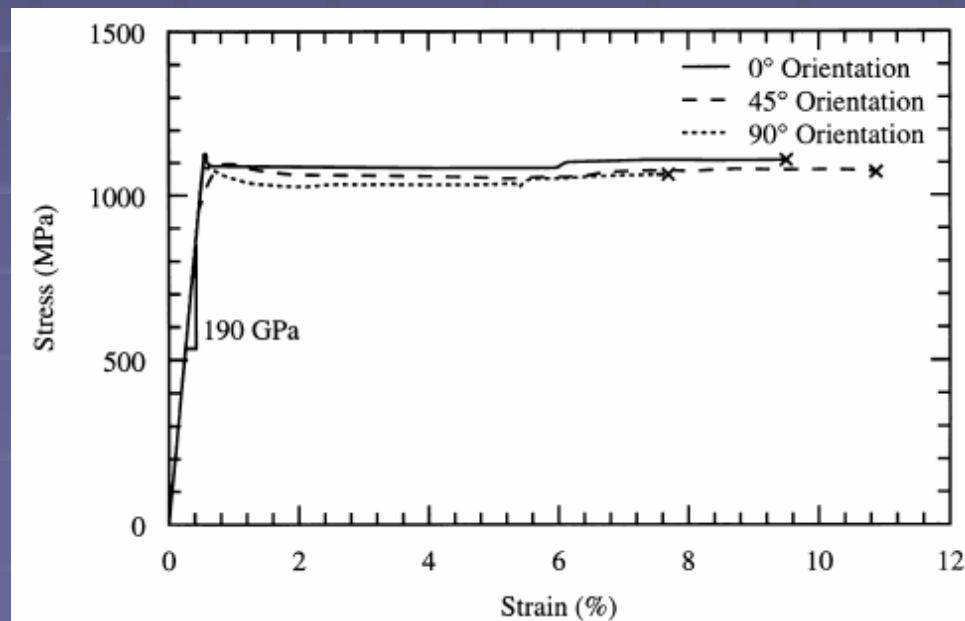
Element:	C	Mn	P	S	Cr	Al ^a
Composition (wt.%):	1.75	0.50	0.007	0.008	1.46	1.60

^a Aluminum content determination is approximate.

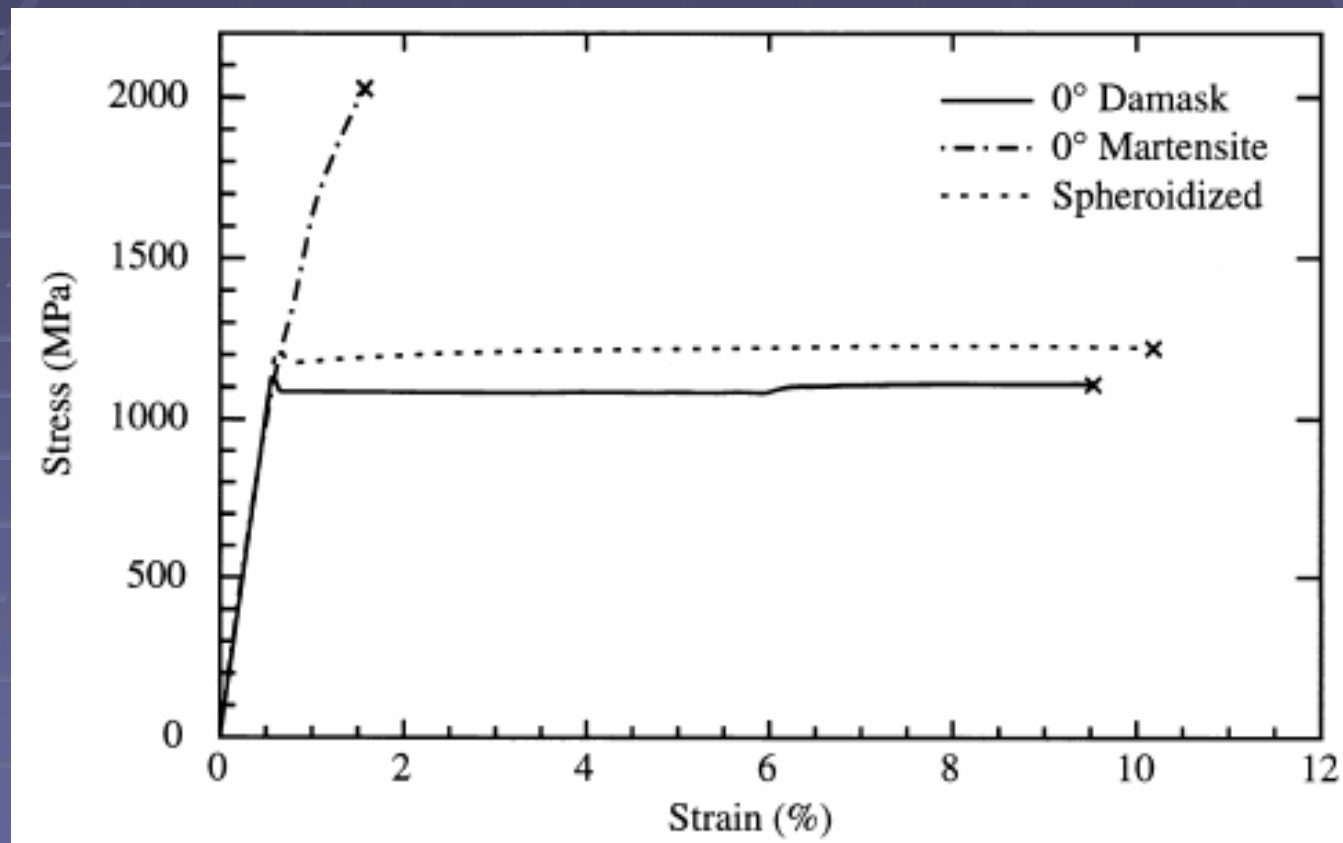
Properties

Yield stress and tensile elongation for each of the three sample orientations are shown

Orientation:	0°	45°	90°
σ_y (MPa):	1127	1098	1087
Elongation (%):	9.0	10.2	7.2



Properties



Properties

