

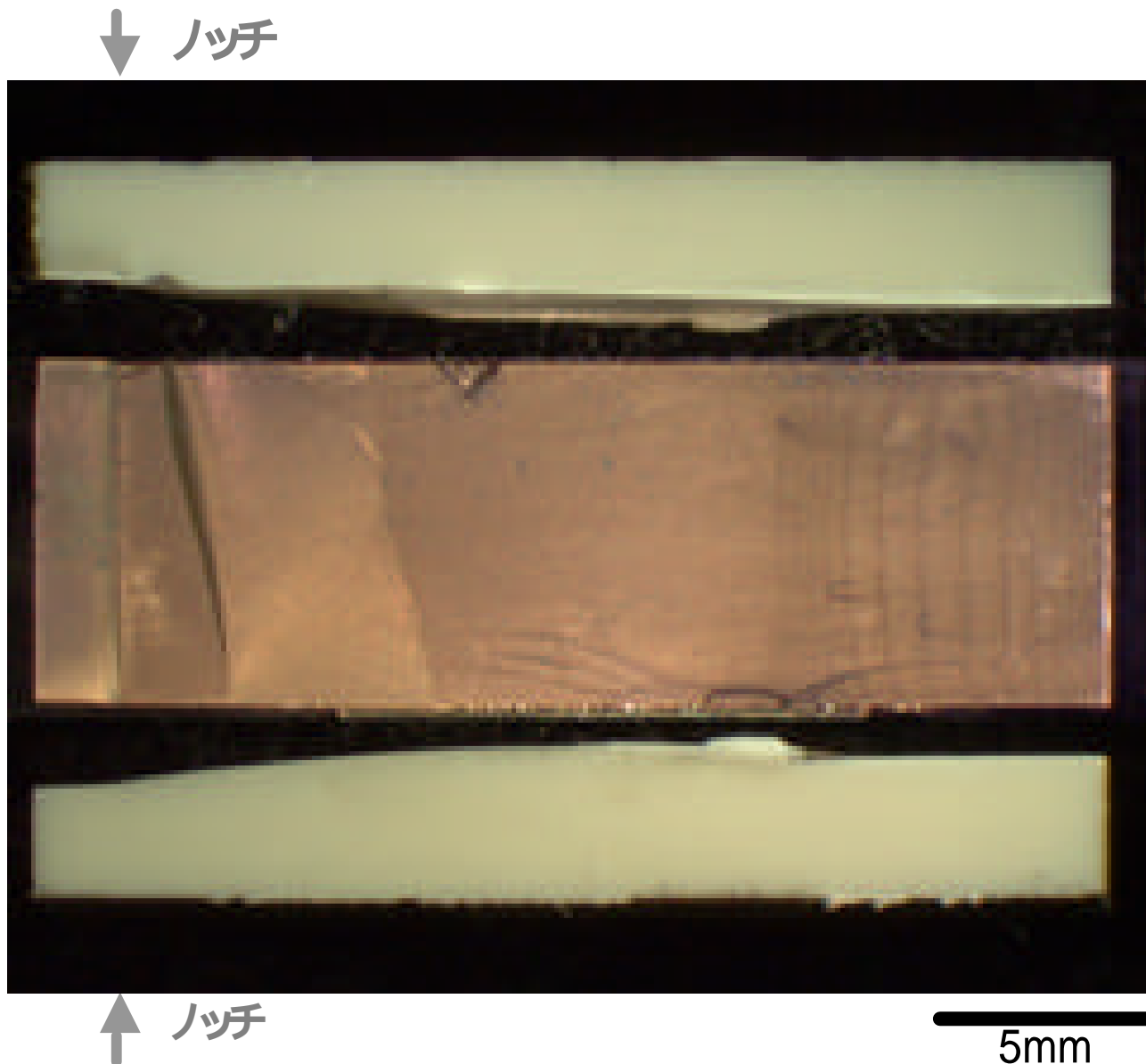
側面



破面



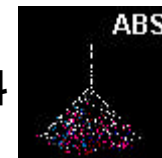
側面



破壊の進行方向



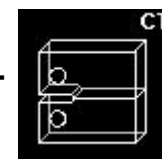
・材料



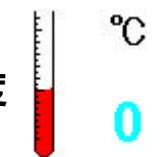
・試験方法



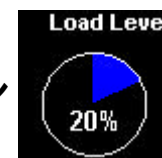
・試験片



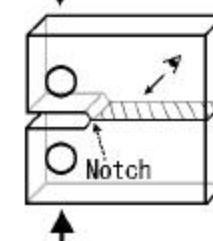
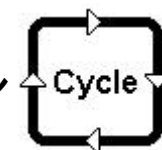
・試験温度



・負荷荷重レベル



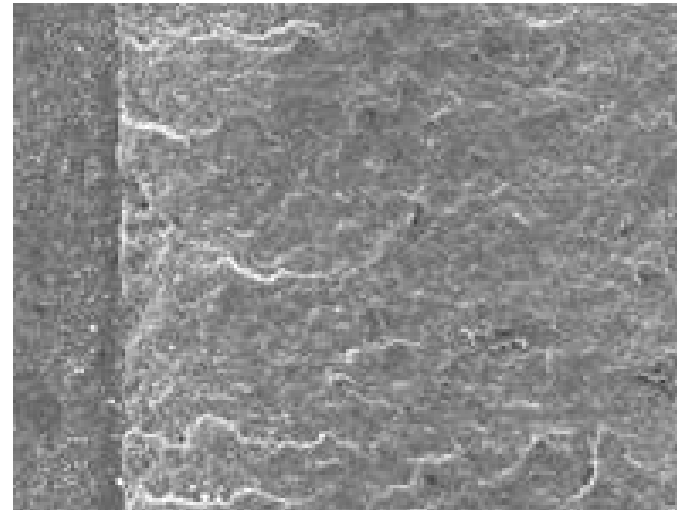
・破断サイクル  
(21369)





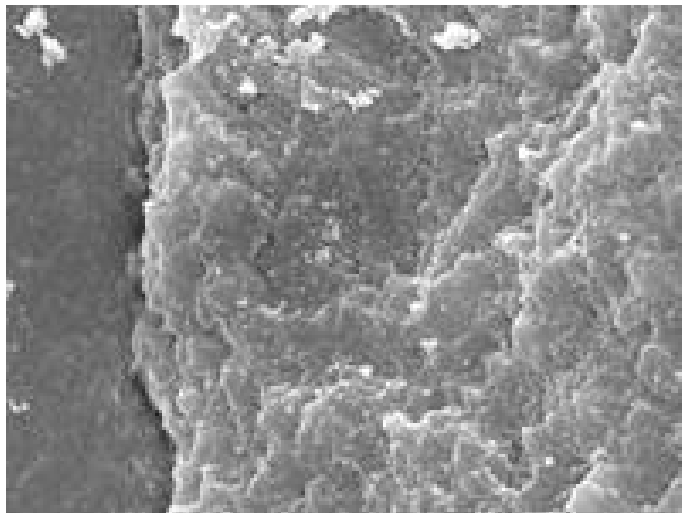
(a) 破壊起点近傍

500 μm



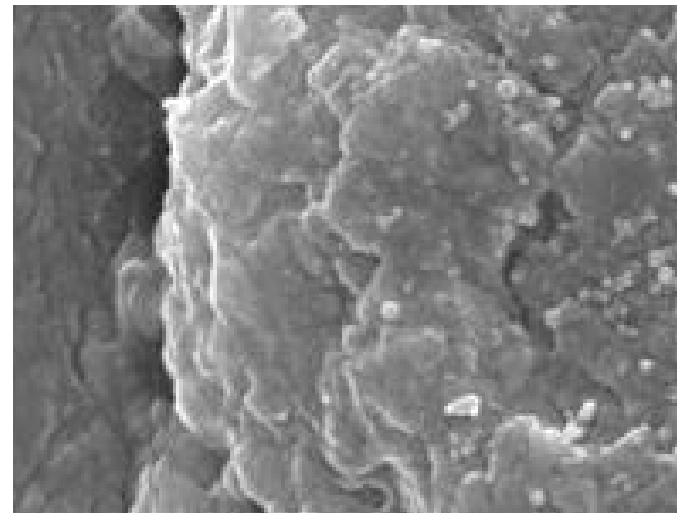
(b) 拡大

50 μm



(c) 拡大

5 μm



(d) 拡大

1 μm