

10^{-5}

Repolymerization
Cracking

Bio-oil conversion rate (kmol/s-m³)

2.5
2.0
1.5
1.0
0.5
0.0

$x_{H_2} = 0$
 $x_{N_2} = 1$

$x_{H_2} = 0.2$
 $x_{N_2} = 0.8$

$x_{H_2} = 0.4$
 $x_{N_2} = 0.6$

$x_{H_2} = 0.6$
 $x_{N_2} = 0.4$

$x_{H_2} = 0.8$
 $x_{N_2} = 0.2$

$x_{H_2} = 1$
 $x_{N_2} = 0$

$x_{H_2} = 0$
 $x_{N_2} = 1$
(constant U_s)

