

**Table 3.** Fatigue strength, fatigue ductility and energy-based parameters for stress relieved and HIPed samples.

Stress relieved				
b	c	$\sigma'_f$ [MPa]	$\epsilon'_f$ [%]	$\epsilon_a > 0.75$ [%]
-0.050	-0.853	1328	89.4	
b	c	$\sigma'_f$ [MPa]	$\epsilon'_f$ [%]	$\epsilon_a < 0.75$ [%]
-0.219	-0.853	6129	89.4	
HIPed				
b	c	$\sigma'_f$ [MPa]	$\epsilon'_f$ [%]	$\epsilon_a > 0.68$ [%]
-0.039	-0.764	1311	67.2	
b	c	$\sigma'_f$ [MPa]	$\epsilon'_f$ [%]	$\epsilon_a < 0.68$ [%]
-0.193	-0.764	4416	67.2	
Stress relieved				
kp [MJ/m <sup>3</sup> ]		$\alpha p$		$\Delta W^{e+}$ [MJ/m <sup>3</sup> ]
1524		-0.695		0.345
HIPed				
kp [MJ/m <sup>3</sup> ]		$\alpha p$		$\Delta W^{e+}$ [MJ/m <sup>3</sup> ]
599		-0.573		0.215