

TFI SUCKER ROD MECHANICS PERFORMANCE

Grade	Tensile strength σ_b (MPa)	Yield Point σ_s (MPa)	Extension ratio δ (%)	Reduction Of cross- Section ψ (%)	Impact flexibility a K U (J/cm ²)	Fatigue strength	
						$\sigma_{0.1}$	Cycle
K	620~793	≥372	≥13	≥60	≥68.6		
D	793~965	≥62	≥10	≥50	≥58.8		
HL	966~1136	793~862	≥12	45~55		540	>1×10 ⁶
HY	980~1176	793~940	≥12	45~55		540	>1×10 ⁶