

Table 7 — Minimum impact energy

Steel grades		Wall thickness T mm	Minimum average impact energy KV J for													
			longitudinal direction							transverse direction						
Steel name	Steel number		-50	-40	-30	-20	-10	0	+20	-50	-40	-30	-20	-10	0	+20
P355N P355NH P460N P460NH	1.0562 1.0565 1.8905 1.8935	≤ 40	-	-	-	40	43	47	55	-	-	-	27	31	35	39
P620Q P620QH P690Q P690QH	1.8876 1.8877 1.8879 1.8880	> 40 to ≤ 65	-	-	-	-	40	45	50	-	-	-	-	27	31	35
P275NL1 P355NL1 P460NL1 P620QL P690QL1	1.0488 1.0566 1.8915 1.8890 1.8881	≤ 40	-	40	47	53	60	65	70	-	27	31	35	39	43	47
P275NL2 P355NL2 P460NL2 P690QL2	1.1104 1.1106 1.8918 1.8888	≤ 40	40	50	60	70	80	90	100	27	33	40	47	53	60	70
		> 40 to ≤ 65	-	40	50	60	70	80	90	-	27	33	40	47	53	60