

Table 9 - Mechanical properties - impact strength KV longitudinal for flat and long products ^a

Designation		Temperature	Minimum energy (J) Nominal thickness in mm		
According EN 10027-1 and CR 10260	According EN 10027-2	°C	≤ 150 _{a b}	> 150 ≤ 250 _b	> 250 ≤ 400 _c
S235JR	1.0038	20	27	27	-
S235J0	1.0114	0	27	27	-
S235J2	1.0117	- 20	27	27	27
S275JR	1.0044	20	27	27	-
S275J0	1.0143	0	27	27	-
S275J2	1.0145	- 20	27	27	27
S355JR	1.0045	20	27	27	-
S355J0	1.0553	0	27	27	-
S355J2	1.0577	- 20	27	27	27
S355K2	1.0596	- 20	40 ^d	33	33
S450J0 ^e	1.0590	0	27	-	-
^a For nominal thicknesses ≤ 12 mm see 7.3.2.1 of EN 10025-1:2004. ^b For sections with a nominal thickness > 100 mm the values shall be agreed. See option 28. ^c The values apply to flat products. ^d This value corresponds with 27J at - 30 °C (see Eurocode 3). ^e Applicable for long products only.					