

**TATA STEEL**  
 Inspection certificate 3.1, EN10204,  
 5500000113  
 GRIMME LANDMASCHINENFABRIK GmbH  
 11006609  
 Hot rolled pickled, Coil, S355MC, YMPRESS WG S:01-2010.  
 1.00 G/M2/Side oiled.  
 Mill edges.  
 Impact test.  
 Suitable for: Part galvanising, Cutting into sheet.  
 Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.18/-0.18 mm).  
 PRODUCE AND TEST ACCORDING TO EN 10149-2  
 SERVICE CENTER MAASTRICHT B.V.  
 B.U. FEIJEN  
 POSTBUS 10.000  
 1970 CA IJMUIDEN  
 NOORDHOLLAND  
 87402  
 CONFIDENT

TENSILE TEST		HARDNESS		IMPACT TEST AND OTHER TESTS	
PROD. IDENT	MASS kg	NR	CAST MR.	1500 mm X 8.00 mm	1500 mm X 8.00 mm
604850	31860	1	P7510	32 1L P	32 1L P
604851	31820	1	"	32 1L P	32 1L P
604849	31740	1	"	32 1L P	32 1L P
TOTAL	95420	3			

CHEMICAL COMPOSITION in %											
CAST MR.	C	Mn	P	S	Si	Al	Cu	Cr	Ni	Mo	Nb
P7510	0.065	0.984	0.013	0.005	0.010	0.029	0.026	0.032	0.023	0.004	0.024

TENSILE TEST											
PROD. IDENT	MASS kg	NR	CAST MR.	Temp °C	R <sub>eL</sub> MPa	R <sub>eH</sub> MPa	R <sub>m</sub> MPa	R <sub>p0.2</sub> MPa	A %	A %	R <sub>90/10</sub> %
604850	31860	1	P7510	+ 20	399	399	492	29.0	81		
604851	31820	1	"	+ 20	409	409	500	30.0	82		
604849	31740	1	"	+ 20	396	396	501	25.0	79		

HARDNESS											
PROD. IDENT	MASS kg	NR	CAST MR.	Temp °C	R <sub>0.1</sub> HB	R <sub>0.15</sub> HB	R <sub>0.2</sub> HB	R <sub>0.3</sub> HB	R <sub>0.4</sub> HB	R <sub>0.5</sub> HB	R <sub>0.6</sub> HB
604850	31860	1	P7510	+ 20	110	107	114	110	110	110	110
604851	31820	1	"	+ 20	110	107	114	110	110	110	110
604849	31740	1	"	+ 20	119	113	115	116	116	116	116

Stamp of the expert :  
 Tata Steel IJmuiden BV  
 ANDRE GILLEBAART  
 GM PRODUCTANALYSIS  
 IJMUIDEN, 28 MEI 2020