METALLURGICAL CERTIFICATION OF MOLD PLATE STEEL

PCS #3 STEEL (AISI P20 / DIN 1.2311 Equivalent)
Used for A and B Plates

Typical analysis of major elemental approximate content:

C	Si	Cr	Ni	Mn	Mo	S	W
0.37	-	1.90	-	1.45	0.20	-	--

PCS #2 STEEL (AISI 4142 / DIN 1.2312 Equivalent)
Used for Support Plates and Top Clamp Plates

Typical analysis of major elemental approximate content:

C	Si	Cr	Ni	Mn	Mo	V	W
0.10 – 0.30	0.20 – 0.60	>1.40	>0.10	>1.35	>0.20	-	-

PCS #1 STEEL (SAE 1050 / DIN 1.1730 Equivalent)
Used for Bottom Clamp Plates, Rails, and Ejector Plates

Typical analysis of major elemental approximate content:

C	Si	Cr	Ni	Mn	Mo	S	W
0.50	0.35	-	-	0.80	-	-	-

PCS #7 STAINLESS STEEL (AISI 420 Equivalent)
Used for molding corrosive plastics and in humid environments

Typical analysis of major elemental approximate content:

C	Si	Cr	Ni	Mn	Mo	S	W
0.42	0.70	12.85	.16	0.21	.07	.002	-

Remarks:

1. Actual measurements may deviate from the data above due to uneven distribution of the elements in the specimens and steel suppliers.
2. The sign " – " indicates "trace amount".
3. The above analysis is based on testing data conducted in May 2013.