

Chemical characteristic
Type 1-525 (M 500)

components	Average result	Test result	ISIRI 389 Iranian standard
Sio2	21.12	-----	----
Al2O3	4.26	-----	----
Fe2O3	3.72	-----	----
CaO	63.68	-----	----
MgO	1.46	Max 2.5	Max 5
SO3		Max 2.9	Max 3
C3A<=8	2.63		
C3A>8		Max 3.2	Max 3.5
K2O	0.52	----	----
Na2O	0.34	----	----
LOI	2.30	Max 2.9	Max 3
IR	0.62	Max 0.70	Max .075
F.CaO	1.04	----	----
LSF	93.1	----	----
SIM	2.65	----	----
ALM	1.15	----	----
C3S	52.3	----	----
C2S	22.8	----	----
C3A	5.1	----	----
C4AF	11.5	----	----

PHYSICAL CHARACTERISTIC (TYPE 1 – 525)			
Physical character	Average	Test result	ISIRI 389 IRANIAN STANDARD
Blaine (cm ² /gr)	3652	Min 2900	Max 2800
Expansion %	0.025	Max 0.6	Max 0.8
Setting time	-----	-----	-----
Initial (minute)	180	Min 70	Min 45
Final (hour)	3:40	Max 5	Max 6
Compressive strength (kg/cm ²)	-----	-----	-----
2 day	240	Min 200	Min 200
3 day	-----	-----	-----
7 day	-----	-----	-----
28 day	567	Min 525	Min 525
Hydration heat(cal/gr)	----	-----	-----
3 day	-----	-----	-----
28 day	-----	-----	-----