



أريج للتجارة العالمية  
Arij Global Trading

Product Specification

## Portland Cement Type I 52.5

Chemical Analysis		
Element	Unit	Factory Test Result
SiO <sub>2</sub>	%	21.30
Al <sub>2</sub> O <sub>3</sub>	%	5.08
Fe <sub>2</sub> O <sub>3</sub>	%	3.42
CaO	%	64.55
MgO	%	1.10
SO <sub>3</sub>	%	2.30
Insoluble Residue (IS)	%	0.14
Loss on Ignition (LOI)	%	1.50
Free Cao	%	0.90
K <sub>2</sub> O	%	0.56
Na <sub>2</sub> O	%	0.29
<b>100.10</b>		
Modulus	Unit	Factory Test Result
Lime Saturation Factor (LSF)	%	92.75
Silica Modulus (SM)	%	2.51
Alumina Modulus (AM)	%	1.49

Mineralogical Composition	Unit	Factory Test Result
C <sub>3</sub> S	%	55.28
C <sub>2</sub> S	%	19.36
C <sub>3</sub> A	%	7.68
C <sub>4</sub> AF	%	10.41

Note: This a typical specification. For your order, we'll send the specific one.

Code: Arij- OPC-MZND-602



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Physical Analysis		
Physical Properties	Unit	Factory Test Result
Setting Time (Vicat, Initial)	Minute	105
Setting Time (Vicat, Final)	Minute	175
Expansion (Autoclave)	%	0.03
Specific Surface Area (Blaine)	Cm <sup>2</sup> /gr	3526
Residue on 90 $\mu$ sieve	%	0.2
Compressive Strength (1days)	Kg/cm <sup>2</sup>	155
Compressive Strength (2days)	Kg/cm <sup>2</sup>	285
Compressive Strength (3 days)	Kg/cm <sup>2</sup>	370
Compressive Strength (7days)	Kg/cm <sup>2</sup>	465
Compressive Strength (28 days)	Kg/cm <sup>2</sup>	588

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