



**TAMILNADU NEWSPRINT AND PAPERS LIMITED**  
67, Mount Road, Guindy, Chennai, Pin:600032  
Ph:044-22354415 Email:mktg.co@tnpl.co.in

TNPL PORTLAND POZZOLANA - Specifications

**Chemical Properties:**

S No.	Property	Specification
1	Loss on ignition %	1.5 - 2 (5 max)
2	Insoluble Residue %	24 - 27
3	Chloride Content %	<0.02 (0.1 max)
4	Magnesia (MgO) %	1.4 - 1.8 (6.0 max)

**Physical Properties:**

S No.	Property	Specification
1	Fineness (Blaines), M2/Kg	350 - 400 (300 min)
2	Le - Chatelier Expansion, mm	1 - 2 (10 max)
3	Autoclave Expansion, %	<0.2 (0.8 max)
4	Setting Time-Initial, minutes	100 - 120 (30 min)
5	Setting Time Final, minutes	150 - 200 (600 max)
6	Compression Strength 3days, MPa	25 - 30 (16 min)
7	Compression Strength 7days, MPa	35 - 40 (22 min)
8	Compression Strength 28days, MPa	47 - 52 (33 min)
9	Drying Shrinkage, %	< 0.02 (0.15 max)

**Fly Ash Addition:**

Fly Ash Addition, %	26 - 29 (35 max)
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Values given in parenthesis are Bureau of Indian Standards (BIS) requirements