

# Foundry Grade Bentonite

Bentonite is a silicate hydrated aluminum with special water and swell absorption potential. It has multiple markets and structural engineering applications.

Physical properties	Unit	Protocol	Indounibond	Indoexpobond	Indomaxbond	Seabond
Base Exchange Capacity	meq/100 gms	IS 12446:1988	110	110	110	110
Methylene blue value	mg of MB/gm	IS 12446:1988	400 + 20	420 + 20	420 + 20	420 + 20
Swelling capacity	cc	IS 12446:1988	30 min	35 min	30 min	35 min
Gelling time	sec	IS 12446:1988	Instantaneous	Instantaneous	Instantaneous	Instantaneous
Gel formation index	ml	IS 6186:1986	80 - 90	85 - 95	80 - 90	85 - 95
pH Value	pH	IS 6186:1986	9.0 - 10.0	9 - 10.2	9.0 - 10.2	9 - 10.5
Liquid Limit	ml/100 gms	IS 12446:1988	800 min	830 min	830 min	850 min
Green compressive	psi	IS 12446:1988	12	12.5	13	12
Strength using 40/60 sand in the ratio 10:4 (B:W)						
Wet tensile strength (10:4 = B:W)	N/cm <sup>2</sup>	IS 12446:1988	0.20 - 0.25	0.25 - 0.30	0.20 - 0.25	0.30 - 0.35
Sieve analysis (WET)		IS 6186:1986				
Passing 100 mesh	%		99 min	99 min	99 min	99 min
Passing 200 mesh	%		90 min	90 min	90 min	90 min

Packing: As per requirement

Origin: India

\* Note: Specification & Chemical analysis can be furnished only when we get to know the grades / application desired by you

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