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Technical Data Sheet

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BENTONITE I & F Qld

(Intercast & Forge Custom Blend)

A selected blend of Australian bentonite

FUNCTIONAL USE:

Used in foundry industries to provide green compression strength so that accurate, dense stable moulds can be produced consistently from silica sand.

PURITY:

Predominantly montmorillonite with some quartz and feldspar

CHEMICAL COMPOSITION:

Typical Analysis (moisture free)

Oxide	wt. % norm.	Oxide	wt. % norm
SiO ₂	68.35%	MgO	2.44%
Al ₂ O ₃	20.07%	K ₂ O	1.02%
Fe ₂ O ₃	3.48%	CaO	1.00%
Na ₂ O	2.40%	TiO ₂	0.81%
Cl	0.29%	Cr ₂ O ₃	0.03%
MnO	0.02%	P ₂ O ₅	0.03%
SO ₃	0.06%	Total	100%

Typical Physical Properties

Moisture (%) Max 13%

pH@ 6.25% Min 8

CEC (meq/100g) > 75

PACKAGING:

Bulk Tankers and Bulk bags