

MARYLAND REFRACTORIES COMPANY

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Irondale, OH 43932
800-228-4672

High Duty Grog

Specification Sheet

High Duty Grog is volume stable, blast furnace quality grog. It is produced from high duty and super duty firebrick rejects. These culls are usually from blast furnace stoves where the brides never come in contact with molten metal.

Quality is very high and consistent. High Duty Grog is recommended for all uses to 3200 F. It is suitable for ceramic supplies and art applications as well as castables, mortars and mixes.

Usual single screened sizes are 4, 8, 12, 20, 30 and 48 mesh. Common double screened sizes are 8/12, 12/20, 14/48, 20/48.

Typical specifications

PCE	32
Color	Buff
Moisture	1.0 % max, 0.2 % typical
Bulk Density	1.25g/cc

Chemical Analysis:

	Range	Typical
SiO ₂	48.0 - 56.0	51.00
Al ₂ O ₃	38.0 - 45.0	42.50
Fe ₂ O ₃	1.4 - 2.4	1.85
CaO	0.1 - 1.5	0.15
MgO	0.1 - 0.8	0.22
TiO	1.5 - 2.3	2.13
Alkalies	1.8 - 3.0	2.00
LOI	0.3 - 0.5	0.30